

1939

SWEETS EDITION

FIREPROOF

SOUNDPROOF

PREFABRICATED



MASTER WALLS

movable partitions

BY HAUSERMAN

HAUSERMAN PARTITION HANDBOOK

IN THIS HANDBOOK you will find descriptions, illustrations and engineering data covering the complete line of Masterwalls by Hauserman. Masterwall quality, speed and service are all possible because over 90% of all Masterwall items described and illustrated in this catalogue are carried in Hauserman stock. (See index inside back cover.) No attempt has been made to substitute this catalogue for the services

of our Masterwall Engineers as in most cases the buyer will find consultations with our men long trained in this business both helpful and profitable. Each type of Masterwall and accessories fits a particular service and need and is the result of twenty-five years of experience, research and development. Our Office Planning Book, sent on request, offers many practical suggestions for layout.

SPECIFY HAUSERMAN

BECAUSE it is a complete line. We publish this catalogue so that you may know the whole story and select the partition which best suits your purposes and specify it.

BECAUSE Masterwalls are the STANDARD OF QUALITY, STANDARD OF PERFORMANCE AND STANDARD OF VALUE.

BECAUSE of our facilities for service, our FACTORY BRANCH OFFICES, FACTORY TRAINED SUPERVISORS AND EXPERIENCED ERECTION CREWS CONSTANTLY IN OUR EMPLOY, our adequate stock: make possible intimate study and smart performance on each individual installation.

BECAUSE of exclusive features such as — our deluxe construction (steel reinforced, flat steel panels solid packed) floating doors — rubber door strikes — telescopic glazing — acoustic service — photographic wood grained finishes and impervious lacquer finishes — stock accessories well studied for all needs, as you will see in the 56 pages of this Catalogue.

BECAUSE of your insurance against orphanage-parts and service for all types always available.

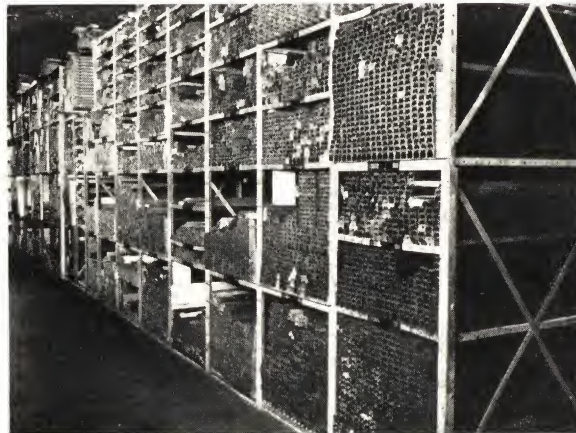
BECAUSE our outstanding leadership and facilities are the greatest assurance of value and acceptance.

HAUSERMAN STOCK

meets your requirements accurately



30,000 DIFFERENT STOCK ITEMS



10 MILES OF PARTITION STOCK

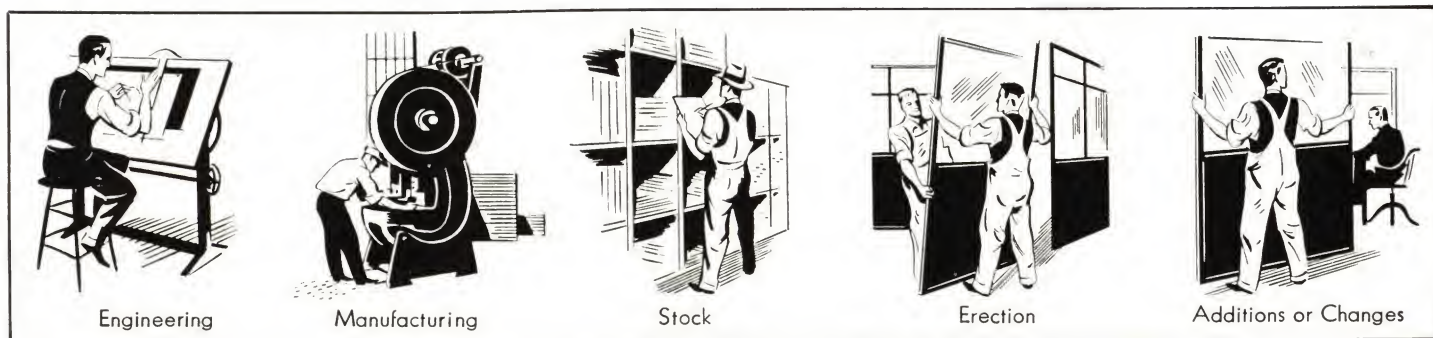
HAUSERMAN STOCK PARTITION parts are ready for finishing, assembly and quick shipment for original installations, or future changes. Adequate stock is an indispensable factor in the saving of time and the maintenance of a reasonable cost for matched parts in the future. Unless the manufacturer is completely organized for furnishing additional matching parts your future savings which justify a higher first cost will be largely lost.

HAUSERMAN STOCK HARDWARE is made by one of the leading hardware manufacturers. It is built to our specifications which correct the deficiencies revealed by twenty years of extensive hardware use. Hauserman hardware is designed so that bitt key, cylinder and communicating locks are interchangeable in our standard mortise in all doors. Standard makes of cylinders of all leading manufacturers fit Hauserman locks, accordingly we can master key to your present hardware system.

THIS CATALOGUE — OVER 90% STOCK

WHY HAUSERMAN

● experience is the answer



HAUSERMAN COMPLETE SERVICE

A GOOD WORKING SPACE IS A GOOD INVESTMENT.

A fine office environment contributes to the exercise of good judgment. Hauserman Masterwalls provide any degree of decorative treatment, soundproofness or flexibility. They are distinctive and have true economy. The Masterwall line includes a fine partition for every sub-dividing or decorative purpose and is produced by the outstanding leader of the partition industry. Masterwall smartness of design and built-in facilities for up-to-the-minute service makes them pay constant dividends indefinitely.

MASTERWALLS ALWAYS COST LESS IN THE END.

Although they may cost more in the beginning, Masterwalls are always a sound investment through making possible at low cost those unpredictable changes which every business that lives and grows must eventually make. There is an even greater saving in the elimination of loss of time and of the annoyance incident to dust, water, muss, etc., all unavoidable with partitions that cannot be easily salvaged. The unseen costs are also substantial. These are the costs of "NOT MAKING CHANGES" when new conditions demand such changes. Such changes are usually NOT MADE because most partitions DO NOT PERMIT THEM TO BE MADE in a comfortable and practicable way.

WHILE WE MAY CAPITALIZE OUR EXPERIENCE we know it is difficult to predict the future. We must be prepared for change. We know new conditions create new possibilities and new problems, many of which, strangely, come to light only after partitions are in use. This holds regardless of careful planning and study. Such changes can be met quickly and inexpensively. Hauserman Masterwalls can be moved frequently

and quickly (often outside of working hours) and still be like new, as the lacquer finish is almost indestructible. Hauserman De luxe constructed walls will never warp, swell, buckle, crack or shrink. They have an appearance of permanence, yet are easily moved and do not wear out.

THE ONLY VALID REASON for not using Masterwalls might be the lack of capital to finance any additional initial cost. But the high ultimate cost of tile and plaster, because of its high maintenance and moving cost soon converts any hoped for saving into a liability. The outstanding businesses of the country have found through experience that practically all partitions are ultimately moved for one reason or another, many from building-to-building and some from city-to-city.

THERE ARE ORPHAN PARTITIONS as well as orphan cars. During the past 30 years over fifty companies have advertised and later abandoned the manufacture of steel partitions. Some of these companies are still in business but their partitions are orphans nevertheless. Remember that the life of a steel partition is from 25 to 50 years. Can you afford to take chances with a product, the life and ultimate value of which largely depends upon continuous service involving inevitable additions and changes?

HAUSERMAN SERVICE IS COMPLETE. This means many direct factory branches with sales, engineering and erection service. All are owned and operated by The E. F. Hauserman Company. Masterwall Service means all the facilities to deliver a complete job of best quality on time.

FORESIGHTED USERS CHOOSE MASTERWALLS AND FIND THAT THEY COST LESS IN THE END.

FOR ARCHITECTS: Complete engineering and specification information quickly available. Experienced counsel is always on call.

FOR BUILDING MANAGERS: Save time and money with better tenant service assured — more profit and less grief.

FOR CONTRACTORS: Prefabricated Masterwalls cut overhead at end of the job, through speed, flexibility and coordinated service.

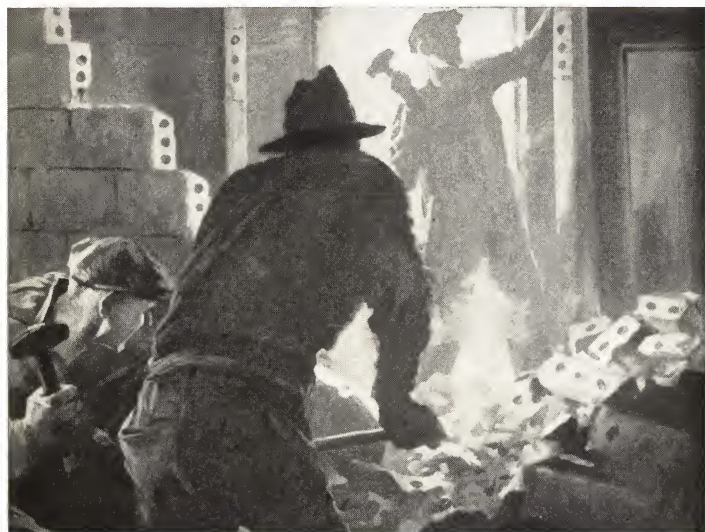
FOR INDUSTRIAL AND OFFICE MANAGERS: Departmental divisions and rearrangements, soundproof and sound absorbing offices, test rooms and laboratories, draft and temperature control, quickly planned and erected in old or new buildings any place. QUIET assured for workrooms located in noisy departments.

Rearrangements required for expansion quickly completed. We assume full responsibility for a finished result.

THERE IS NO SUBSTITUTE FOR MASTERWALL QUALITY

MASONRY VS MASTERWALLS

● facts and figures prove Masterwall advantages



BUSINESS AT A STANDSTILL

This Dirt, Muss and Fuss is entirely eliminated by the use of Masterwalls. Compare this picture with "Business as Usual" on the opposite page. Compare the tearing down and carting out of 300 lbs. of debris per lineal foot of masonry with the simple shifting of panel units. Masterwalls eliminate time loss, dust, grit, damage to typewriters, other mechanical equipment and furniture, and cleaning of drapes and carpets all incident to the putting up or moving of masonry walls.

MASTERWALLS PROVE A SOUND INVESTMENT

The attractive and permanent appearance of Masterwalls has created an erroneous impression of high cost. Value considered, first costs are surprisingly low. Ultimate costs are lower than any other partition.

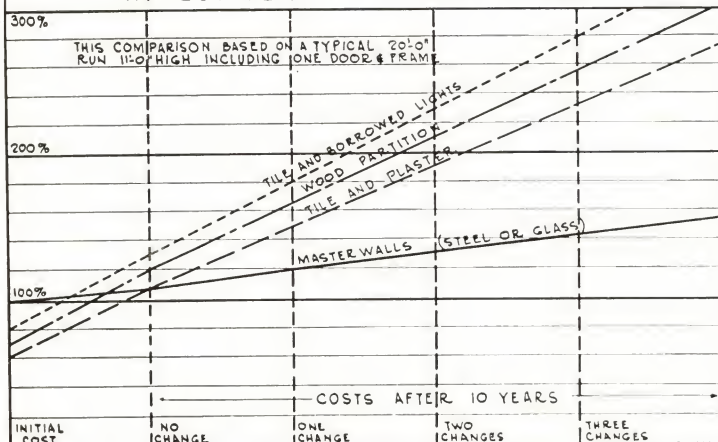
The initial cost of Masterwalls may exceed masonry but any differential is returned many times, in longer life, greater usefulness and better service. The following facts and the charts below, only cover a ten year period, while, actually, the life of a Masterwall is at least 25 to 50 years.

- (1) Masterwalls cost the same as masonry walls at the end of a ten year maintenance period because masonry walls require repainting, plaster patching and general up-keep. Masterwalls require none.
- (2) Masterwalls cost only 55% as much as masonry walls with 2 changes in a ten year period. There is only about 2% to 3% salvage value to tile and plaster walls outside of doors and frames, all of which salvage is far offset by cost of debris.
- (3) Masterwalls cost only 46% as much as masonry walls with 4 changes in a ten year period.
- (4) Masterwalls will save over 15 days' use of space on any new installation or subsequent change.
- (5) Masterwall comparative costs show to a still greater advantage when compared with tile and framed glass lights.
- (6) A 4½" tile and plaster wall weighs 30 lbs. per sq. ft. wall area compared to 8 lbs. for a 3" Masterwall. The tile and plaster partition load for an average floor is 46 lbs. per sq. ft. floor area. Compare this to Masterwalls of only 13 lbs. per sq. ft. floor area. This means saving thousands of lbs. of floor load on the average office floor and real economy in design of any new building.

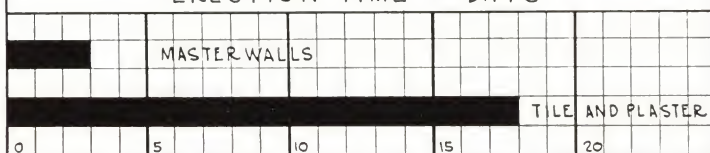
This data has been compiled from a survey of experience in the Chrysler Building, checked and verified by 13 other users keeping cost and experience records.

COMPARE THIS YEAR'S MASTERWALL COST WITH FUTURE YEARS MASONRY COST

INVESTMENT AND CHANGE CHART

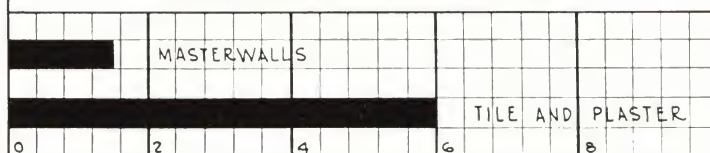


ERECTION TIME IN DAYS



HIDDEN COSTS: RUBBISH REMOVAL, CLEANING OF RUGS, DRAPES AND BUSINESS MACHINES ARE REAL COSTS. MASTERWALLS SAVE THESE AND MANY OTHER COSTS AND THEIR IRRITATION.

TEAR DOWN TIME IN DAYS



THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

CHANGES ARE INEVITABLE

● movability, a sound investment

EXAMPLES PROVE THAT MOVABILITY PAYS

Office facilities must not only keep step with present business expansion but must be prepared to meet any future depression. This means frequent change in layout, location, and use of office and manufacturing space. Whatever the cause may be . . . general expansion, consolidations or reorganizations, new departments, new personnel, new methods or new tenants . . . alterations and extensions of partitions must be handled efficiently and with the least possible interference with business.

Here are a few instances where Masterwalls have been used to great advantage.

A large corporation using over 1,000,000 sq. ft. of Masterwalls, in over a hundred different cities . . . with installations running from a few feet to tens of thousands . . . has expanded, rearranged and added to them, moved them from building to building and from city to city. They expanded up to 1929. Then contracted their space and layouts up to 1932, putting surplus partitions in stock. Then expansion began. Stocks were used again, moving some from as many as three cities to one location for additions. Over 300,000 sq. ft. has since been purchased for new buildings, for additions and changes to meet a national program of rearrangement.

In another instance a user made 1,200 alterations on an installation of 225,000 sq. ft. during its first three years because of unpredictable changes. These changes have already absorbed the difference in cost between plaster and tile partitions and Masterwalls, plus an additional \$25,000.00 savings, and these Masterwalls still have at least "25 years to go."

Experience has shown that all partitions must be moved sooner or later. It is the unavoidably high cost and inconvenience of moving plaster and tile as well as inadequate and combustible wood partitions that have started a definite trend toward modern types of movable steel partitions . . . toward Masterwalls.



BUSINESS AS USUAL

Masterwall alterations are made expeditiously quietly and quickly. Many progressive owners of Masterwalls keep up-to-date by improving their office layouts frequently with little interference with business routine (*as illustrated above*), in comparison with tile and plaster changes on the opposite page. Economies are effected not only by increased efficiency, but also through reduced maintenance costs and a better use of office space.

2 HAUSERMAN MEN — 2 DAYS

VS

THESE MEN FOR MORE THAN 2 WEEKS








LABORERS

MASONS

PLASTERERS

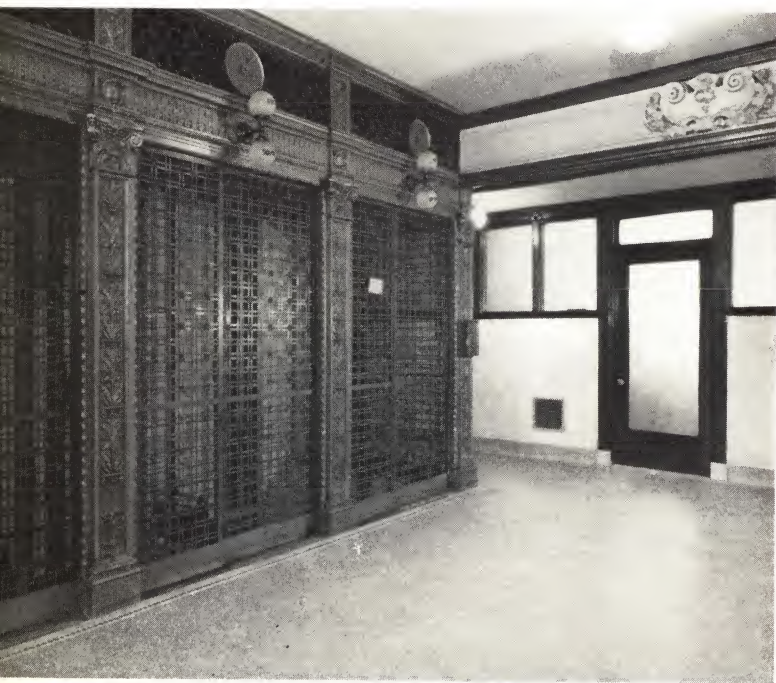
CARPENTERS

PAINTERS

A MASTERWALL FOR EVERY PLACE AND PURPOSE

MODERNIZATION PAYS DIVIDENDS

● reclaim "forgotten" spaces with Masterwalls



BEFORE

One entire floor of the Real Estate Trust Building, Philadelphia, Pa., was recently modernized for the General Refractories Company. Before and after illustrations show the elevator lobby with new walls of Flush Steel "AA" Masterwalls in flat grey finish with stainless steel trim, and elevator doors finished blue. The balance of General Refractories' Offices are completely modernized in Semi-Flush Steel, Soundproof "CC" Masterwalls. This type of modernization can be done in your building at a comparatively small cost.

AFTER



UNSIGHTLY SPACES in old office buildings, in factory buildings, in warehouses and in stores, have been most economically turned into modern offices by the use of Hauserman Masterwalls. In the same way, many other attractive and useful rooms have been built into spaces that were formerly not used, or brought low rental returns.

In every instance the change has been phenomenal. The attractiveness, the appearance of permanency and the convenience of these new rooms have been almost unbelievable . . . when compared with the old spaces before the modernization work had been started. And besides the business advantages gained, these improvements often save the cost of new buildings or additions.

It is no longer necessary to give up desirable locations and move out of old unsightly interiors when these spaces can be so easily and quickly modernized with Masterwalls.

Building managers are holding old tenants and gaining new ones by providing new, efficient and fine appearing offices with Masterwalls.

Below are shown, "before and after" modernizing illustrations of one entire wing of the General Electric Company's offices at Schenectady, N. Y. This rearrangement plan furnished each of 22 patent attorneys with private offices. Well-lighted stenographic space was also furnished outside of each office. These changes and alterations were handled with minimum interruption to business. After the installation was completed it

BEFORE



THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

MASTERWALLS FOR LONG SERVICE

● durability that resists all the elements

THE LIFE AND DURABILITY that have always been built into these better steel partitions have long ago proved the soundness of a Masterwall investment. "Still going strong" is what hundreds of users are saying, after having made many alterations, every one of which brought worth-while savings, along with practical advantages.

The basic reason is: "THEY'RE BUILT OF STEEL," and steel gives them the sturdiness, the appearance of permanency, the ability to withstand the wear and tear of everyday use as well as the repeated moving to meet changing conditions. It is "Steel" as well as the way "Steel" is designed and built into Masterwalls that assures permanent appearance and long life.

Old style partitions are fuel for fires. Not so with Masterwalls. Steel resists fire. In one instance a Masterwall installation withstood a fire caused by several thousand gallons of paint which burned intensely for over two hours within a few feet. These Masterwalls were red hot but needed only repainting and are still in use, 11 years later.

was found necessary to move a few of the doors. This change, which shows the flexibility of Masterwalls, was easily made overnight. Besides the advantage of attractive and modern offices, better light and a general clean-cut feeling was obtained through the use of light finished Masterwalls. More people and more production at comparatively little cost. Masterwall Type "CC" was used throughout these new offices.

AFTER



BEFORE

These before and after illustrations show how effectively space in an industrial building can be modernized into fine executive offices adjacent to plant with Soundproof Type "CC" Masterwalls. All radiators and piping were nicely enclosed by Masterwall wainscoting and window embrasures. The inside or corridor wall separating private offices from general offices has double glazing (see page 28) which facilitates soundproofing and provides light in the interior general offices. Masterwalls answer all modernization needs

AFTER



TIMES ARE CHANGING — MOVABILITY PAYS

NOISE EFFECTIVELY ELIMINATED

• it pays to buy quiet

QUIET — Few investments made by management will pay greater dividends than that for noise elimination. It pays to buy QUIET. In one example where complete records were kept, the results were as follows:

Office efficiency increased 8.8%. Typists' errors were reduced 29%. Business machine operators' errors were reduced 52%. Labor turnover was reduced 47% and absences decreased 37.5%.

There are many other examples where Masterwall offices have been erected in the middle of noisy factory departments with remarkable results. Cases such as these prove the value of soundproof Masterwalls.

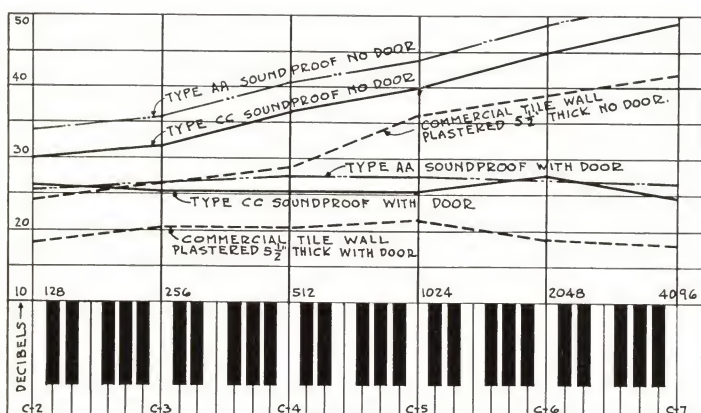
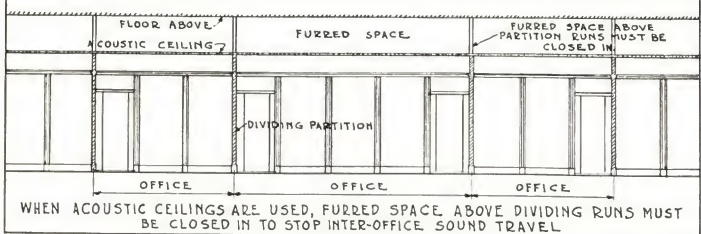
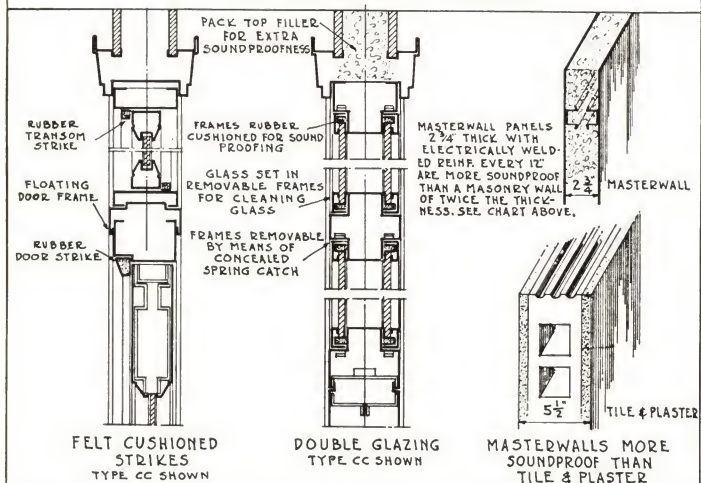


CHART SHOWING SOUNDPROOFING (VALUE IN DECIBELS) OF HAUSERMAN MASTERWALLS TYPE AA & CC WITH & WITHOUT DOORS COMPARED TO PLASTER WALLS OF TWICE THE THICKNESS.



METHODS OF CORRECTION — To eliminate the distraction of excessive office noise two methods must be followed — (1) isolate excessively noisy departments and provide adequate soundproofing between offices to prevent transmission through walls — (2) lower the loudness level of noise within the office by the use of sound absorbing materials. In small rooms the walls must be used as the ceilings do not provide sufficient surface for sound absorption treatment.

MASTERWALL ACOUSTIC CEILINGS — Sound absorbing ceilings are furnished for the finest offices, laboratories or test rooms from Hauserman complete stock, see details, page 39 for various types. High sound absorption is obtained by use of perforated steel panels (licensed by Burgess) and a sound absorbing core of mineral wool.

Adjacent chart shows the decibel loudness reduction (soundproofing value in decibels) of Hauserman Type CC and AA Deluxe Masterwalls with and without doors compared to tile and plaster walls of more than twice the thickness. The effect of inserting a door in a partition is readily seen. The decibel reduction is shown for the standard test frequencies. This demonstrates that Masterwall types CC, AA, BB and EE when packed with insulation are all more soundproof than a tile and plaster wall of greater thickness.

MASTERWALL DOORS — Hauserman flush steel doors are much more soundproof than the average paneled door in wood or steel. The over-all soundproofness of a Deluxe Masterwall with a door in it is much greater than a tile and plaster wall with the ordinary wood or steel doors. Hauserman doors with rubber strikes and floor seals substantially increase this soundproofness. (Details page 20.)

MASTERWALL TRANSOMS — It must be recognized that open transoms, offset the soundproof values of partition walls and are not recommended. However a rubber sealed transom provides some sound reduction. Ventilation if possible should be provided through a sound absorbing air duct, built into panel units on thick types.

DOUBLE GLAZING — Where soundproofness is desired and either vision or light are necessary, either double glazing or extra thick glass must be used. See page 20 for Hauserman Double Glazing Construction.

SOUND TRAVEL — Where a series of soundproof offices are planned under a suspended ceiling, caution should be exercised to run dividing walls completely to underside of slab or close off space between ceiling and underside of slab with packed top fillers, directly over each dividing wall. This prevents sound travel from one room to another in space above suspended ceilings. See detail at left.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

ACOUSTIWALLS — The Hauserman answer to this growing problem of office and industrial noises is complete — worked out by extensive research and proven under exacting conditions of actual usage. The Hauserman Acoustiwall is a soundproof movable steel partition with absorbing surfaces either on both sides for reduction of noise levels to any desired degree.

The keynote of today's business tempo demands efficiency. Everyone is becoming sound conscious. Efficiency means quiet whether in the office, school or workroom. Isolated quiet rooms in noisy factories increase production. Test rooms (see details page 20) of various types may easily be installed or moved in your factory.

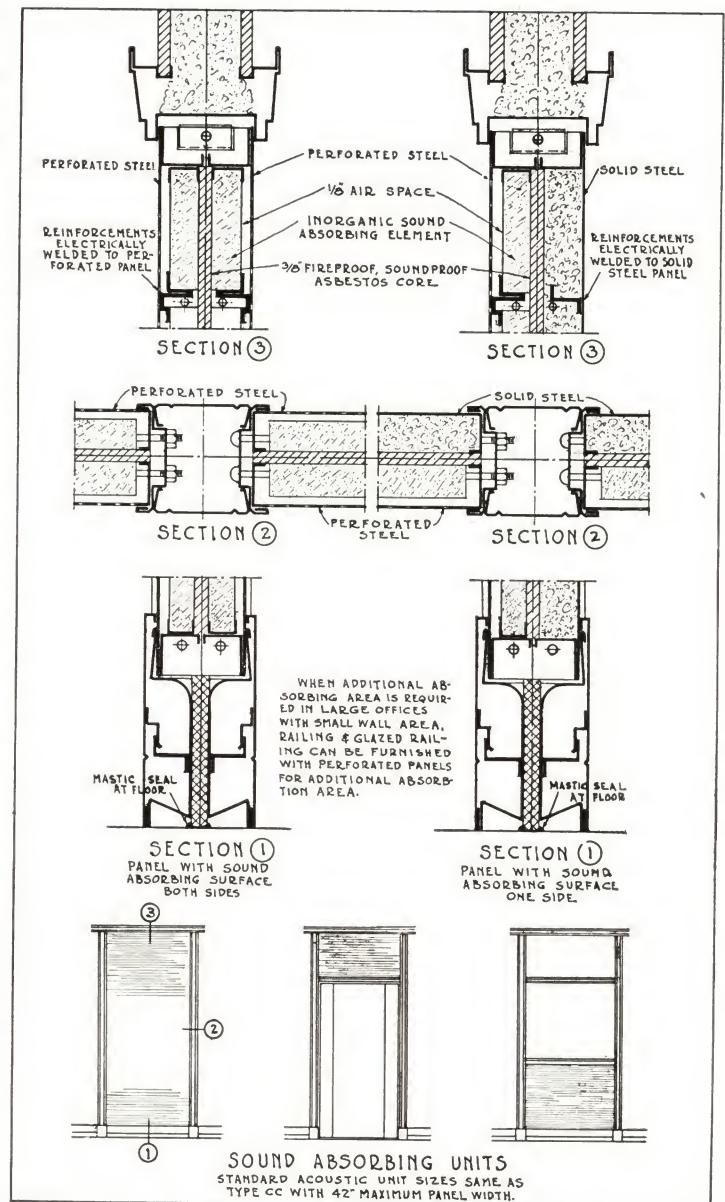
HAUSERMAN ACOUSTIC SERVICE — Competent, experienced acoustic engineers with latest electrical noise level and sound transmission recording apparatus are available. Accurate field data permits definitely determining the means necessary for securing a desired result. This insures your investment in soundproofing or sound absorbing facilities actually delivering the quiet you pay for.

ACOUSTIWALL FEATURES—(Type CC illustrated). This Acoustiwall treatment applies to types AA and BB as well as to type CC (s) illustrated and preserves all of the features and characteristics of each type permitting the mingling of Acoustiwall and solid steel panels in the same wall interchangeably. Acoustiwalls supply to acoustic treatment the same advantages of re-use, movability, flexibility and salvage value, that have made Masterwalls the most economical form of partitioning.

CONSTRUCTION — This type of partition consists of a fire-proof soundproof core, with a layer of sound absorbing mineral wool, covered by a perforated steel panel (licensed by Burgess).

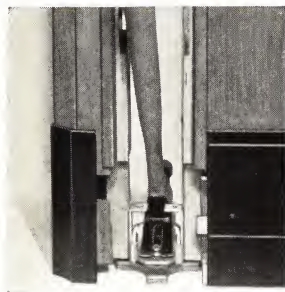
It is furnished with either one or both sides sound absorbing. Where only one side is desired with sound absorbing properties, the opposite face is solid. Exterior appearance aside

HEAT INSULATION — The same inorganic packing that is used for sound reduction in panel units, will insulate walls for air conditioning. Heat conductivity of packed panel units is 0.10 B.t.u. per hour per sq. ft. per degree Fahrenheit. Air conditioning manufacturers state that these walls save as much as 20% in cost of air conditioning. This means real economy in heating or cooling costs when separating air-conditioned offices or when used as vestibules. These facts are applicable to types AA, BB, CC and EE.



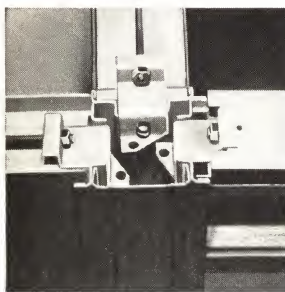
MASTERWALL EXCLUSIVE FEATURES

● insure built-in value



FLOOR CONNECTIONS (Patented)—

Floor stampings are held in place with a removable double-headed drive nail or lag screw. Any panel removed or replaced without disturbing adjoining units. Weight of panels rests directly on floor through one or more patented interlocking shims. Provides a solid foundation despite usual variance of floor level.



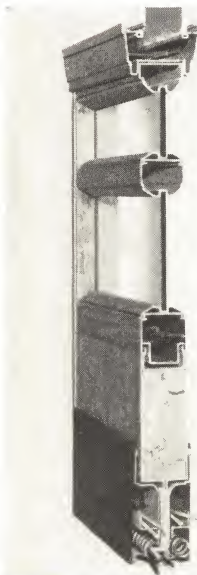
UNIVERSAL POST (Patented)—

Partitions may be run in any one, or all, four directions from a single point at any time. There is no necessity for disturbing original installations for making additions or changes. No adapters or special connections are required. All methods of assembly and access are concealed with snap-on post caps. Above applies to all types, except AA, DD and TE.



INTERCHANGEABLE HARDWARE

Doors are mortised to accommodate any type of Hauserman lockset with complete interchangeability. A complete quality line of hardware is stocked. All made to fit the same mortise. Bitt key, latches and cylinder locks are stocked in Brushed Bronze (U. S.-10) or genuine Bauer Barff (U. S.-18) Finish. See pages 42, 43, 44.



WIRING FACILITIES — CORNICE —

Buzzer or telephone wires may be laid in the outer edge of the cornice and effectively concealed, in types AA, BB, CC and FF. Removable layin picture mould is available with steel tops both sides of partition on types AA and BB.

LAYIN WIRING BASE (Patented) —

The hook on base is easily removable for convenient access to the two layin wire chases on each side. Available in types AA, BB, CC, FF, W, WW.

POSTS — Posts provide for wiring between base and any of the upper rails or cornice, except past transom operator in type FF. (Use adjacent post, see details page 46) Electrical fittings are readily installed on any post or base and are carried in stock. See pages 45, 46, 47.

RIGID CLIP ASSEMBLY (Patented) —

Panel units, door units, and ends are assembled with Patented Interlocking clips. No exposed screws. Concealed clips 18" to 24" on each side lock units rigidly together. Post caps are snapped over clips like the back of a watch. Used in types BB, CC, FF, R, W, WW.



TIE ROD ASSEMBLY (Patented)—

No welding. Permits entire assembly of the panel unit. Provides for field cut down of one panel to make one or more smaller or special panels without refinishing. Permits repairing or replacing a single damaged part. Adapts material on hand to new layouts. Eliminates all waste. Used in types CC, FF, WW, R, W.



LAYIN WIRING DOOR FRAME —

Layin wiring raceway for high and low tension wiring is provided around door in types AA and BB, and is covered by removable snap-on trim. Wiring is entirely layin and does not require fish wiring across door head. Switches can easily be installed in door trim when desired. (See fittings page 45).



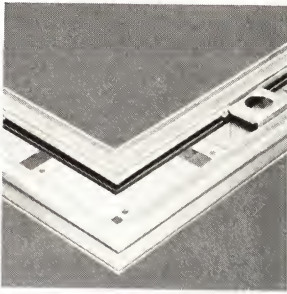
REMOVABLE LAYIN WIRING END

FILLER — Types AA and BB are provided with a removable layin wiring end filler. Each side is removed independently and provides easy interconnections between base and picture mould. All wiring in types AA and BB is completely layin on each side of partition. Base, end fillers, door trim and picture mould are all removable, enabling whole face of one side of partition to be wired easily and without use of fish wiring at any place. Sufficient space is provided in base, door frame and end fillers for carrying suction and/or drain lines for air-conditioning units. It is very easy to run these pipes concealed. For further electrical and air-conditioning details, see pages 46, 47.



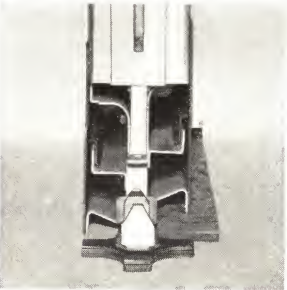
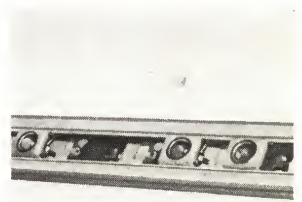
MASTERWALL EXCLUSIVE FEATURES

● add many practical advantages



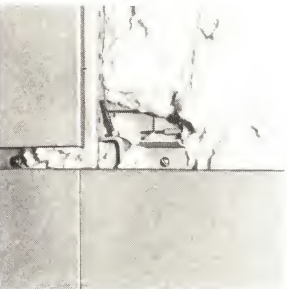
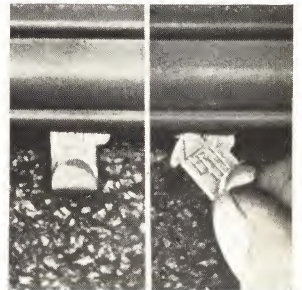
CORNICE DETAILS (Patented)—Cornice can be rearranged in any combination of corners and intersections. Two-way corners are mitered, welded and fully finished at the factory. Cross runs added at any point. Wiring and post connection holes on 5" or 6" O. C. Welded tie bars make cornice a rigid tubular member. All types except when removable picture mould is furnished on types AA and BB.

CORNICE SPLICE (Patented)—The Hauserman cornice splice expands the adjoining ends to exactly the same size and draws them together with the diagonal bolts. Cornice is manufactured in a number of standard lengths punched in multiples of 5" and 6" according to type to meet the requirements of any partition layout or rearrangement.



ADJUSTABLE BASE & PLINTH (Patented)—The outer bases and plinths are adjustable to the floor level independently of the panel unit and each other. Provides contact with the floor despite irregularities on either side. Floor coverings inserted without disturbing the partition when necessary. On types AA, BB, CC, FF, WW and W. Each side is adjustable separately permitting different thickness of floor covering.

PICTURE HOOK SLOTS (Patented)—Picture hooks for hanging pictures, charts, racks and maps on any panel are inserted in inconspicuous slots under transom rail. All types except AA and BB steel, which have continuous picture slot in removable picture mould. (See sections, page 14).



ADJUSTABLE STEEL TOP FILLERS—Flush steel, single line or double line joint top fillers to match panel widths are provided for types AA, BB and are easily erected and removed. They are salvageable and have the same life and re-use as panel units. Steel top fillers are also available for types CC, FF, WW, R and W. (See details page 39).

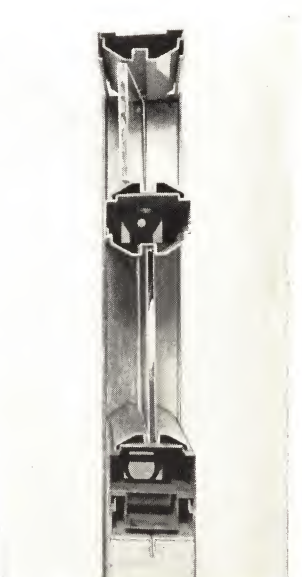
DOOR GLAZING (Patented)—Glass for all doors is inserted through slot in top rail. It is taken out by removing and inverting door and jarring on wood blocks. This eliminates all loose moulding, stripped or exposed screws. Doors may be steel glazed in a like manner. For Door Types see page 37.



ADJUSTABLE DOORS (Patented)—Floating door frame permits adjusting door clearance to accommodate changes in floor levels or different floor coverings. Adjusted by loosening three bolts each side of door frame. Doors with hardware applied are assembled in their frames at the factory insuring accurate fit. All doors are reinforced for door checks.

CONCEALED TRANSOM OPERATORS—The exclusive design concealed operator is substantially and compactly built, assuring free and easy operation and long life. It can be installed at any time and concealed within the post or door trim. A small crank handle operates a worm gear which opens the transom to a full 90 degrees, and locks it in any position. Fits all types but HK, K and H.

TELESCOPIC GLAZING (Patented)—The expense and irritations incident to cracked glass caused by compression, warping or binding, are eliminated by use of the Hauserman telescopic method of glazing. To set a lite of glass the grooves are bed puttied. Stop in upper rail is slid up within the rail to admit glass. Glass is inserted to full depth in one vertical groove, then swung into plane and dropped into the bottom groove and centered. Movable stop is lowered by means of a hook inserted in the picture hook slots. Glass is removed by reversing the glazing operations. If putty is hard, drive up telescopic stop, remove nuts from tie-rods, and spread verticals to free glass. Used with all types, except H, HK and K.



ATTRACTIVE FINISHES

● meet each customer's preference

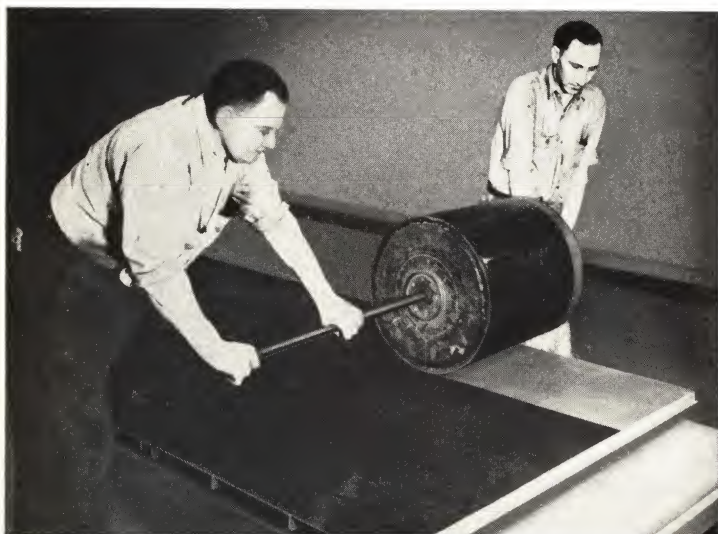


GRAINING METHOD—Rich natural reproductions of fine wood grains are made under license by the exclusive Oxford Varnish Company patented process, in a wide choice of different woods and finishes. The comparatively small extra cost of graining produces a great return in the way of refinement, comfort and permanent satisfaction. These finishes are always admired, the easiest to live with and have the lowest maintenance.

The upper illustration shows graining being transferred from a copper electroplate to a flexible composition roll. The plates are made from carefully selected woods by photograph and are similar to halftone or roto-gravure plates. These plates are expensive (costing upwards of \$1,000.00 each) but are faithful to the finest detail and we maintain many different plates with different types and character of grains.

The lower illustration shows the graining being transferred from the roll to a panel plate which has been previously ground coated with enamel and sanded. Even when grained from the same plate, no two panels will be alike as different parts of the copper plate will be reproduced on different parts of each panel.

The process provides as much variation of character as actual wood veneering and yet permits of future additions in perfect harmony with the original installation.



MATERIALS—Specifications are given under item 17, page 49. Ground coats are synthetic enamels baked on which make a paint film having many times the toughness, resistance to abrasion, adherence, fastness of color and general wearing qualities of the older types of oil baking enamels. Top coatings are pyroxylin lacquer of the highest grade and these finishes last indefinitely with no maintenance other than periodic cleaning. Our laboratory gives them rigid water, bending, dinging and abrasion tests.

COLORS—See the Hauserman color book showing actual colors on metal plates. Hundreds of standard colors carefully chosen as background colors, or harmonizing accent colors provide suggestions for any decorating scheme.

GLOSS—Standard finishes are all furnished in an egg shell or satin finish gloss which provides a restful atmosphere without disturbing or distracting high lights and reflections. We discourage the polishing of wall surfaces.

TEXTURES AND SPECIAL FINISHES—Stippled finishes varying from a fine sand effect to a coarse spatter effect furnished at additional cost. Texture finishes are effective on flush walls. They are easily kept clean and are free from glare.

Special grease and soil proof finishes that stay clean and are easily maintained have been developed. Acid, alkali and moisture resisting finishes in a limited range of colors, also metallic or iridescent finishes in any degree of color may be furnished at additional cost. Call the Masterwall Engineer.

TWO COLORS—Black mop strip 2" high or black base 6" high is recommended for any light color job and frequently used with all colors. We discourage bronze mop strip due to unsightly discoloration and maintenance expense. We advocate black mop strip instead. Our improved finishes withstand present-day cleaning materials. Grained or dark color doors are recommended with all light colors. (Specify if door only or door and frame). Different colored rails and panels are available but not generally used.

FIELD PAINT—Masterwalls can be furnished in prime coat for field paint but we do not advocate it as the field finish is more expensive, less uniform and shorter lived. Prime coats are not uniform and will have variation in color and coverage.

WHITE FINISH—There is no pure white finish and all whites deteriorate and turn yellowish. Always specify off white shades—the further off the better.

CLEANING—A careful washing with Ivory or Lux soap and water well rinsed with clear water is recommended. It is important not to rub severely. If a cleaning fluid is preferred we recommend "Masterwall Cleaner" specially prepared to preserve the satin finish, follow directions on can specifically. Any cleaner should merely remove the dirt without leaving a film or polish or shine the surface.

HARDWARE is stocked in cast or extra heavy wrought bronze in U. S. 10 lacquered brushed bronze finish. Butts are planished steel ball bearing plated to match. Black finish U. S. 18 (Genuine Bauer-Barff) is furnished on cast iron or wrought steel lock trim. Knob shanks and thimbles are cast with machined bearings. All escutcheons are reinforced at the knobs with a special steel collar. Bronze finish is protected with perspiration resistant lacquer, a unique and valuable improvement. Accessories are stocked finished to match hardware. (See illustration pages 42 to 45.)

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

EVIDENCE OF LEADERSHIP

• Masterwalls in the country's greatest skyscrapers

EMPIRE STATE BUILDING

Shreve, Lamb & Harmon
Architects

Type W is being used as building standard in 8' 5½" elevation finished 4194 walnut grain.



CHRYSLER BUILDING

William Van Alen
Architect

Type R is being used as building standard in 8' 8½" elevation finished 4094 walnut grain.



ROCKEFELLER CENTER

Reinhard & Hofmeister
Corbett, Harrison & MacMurray
Hood & Foulhoux
Architects

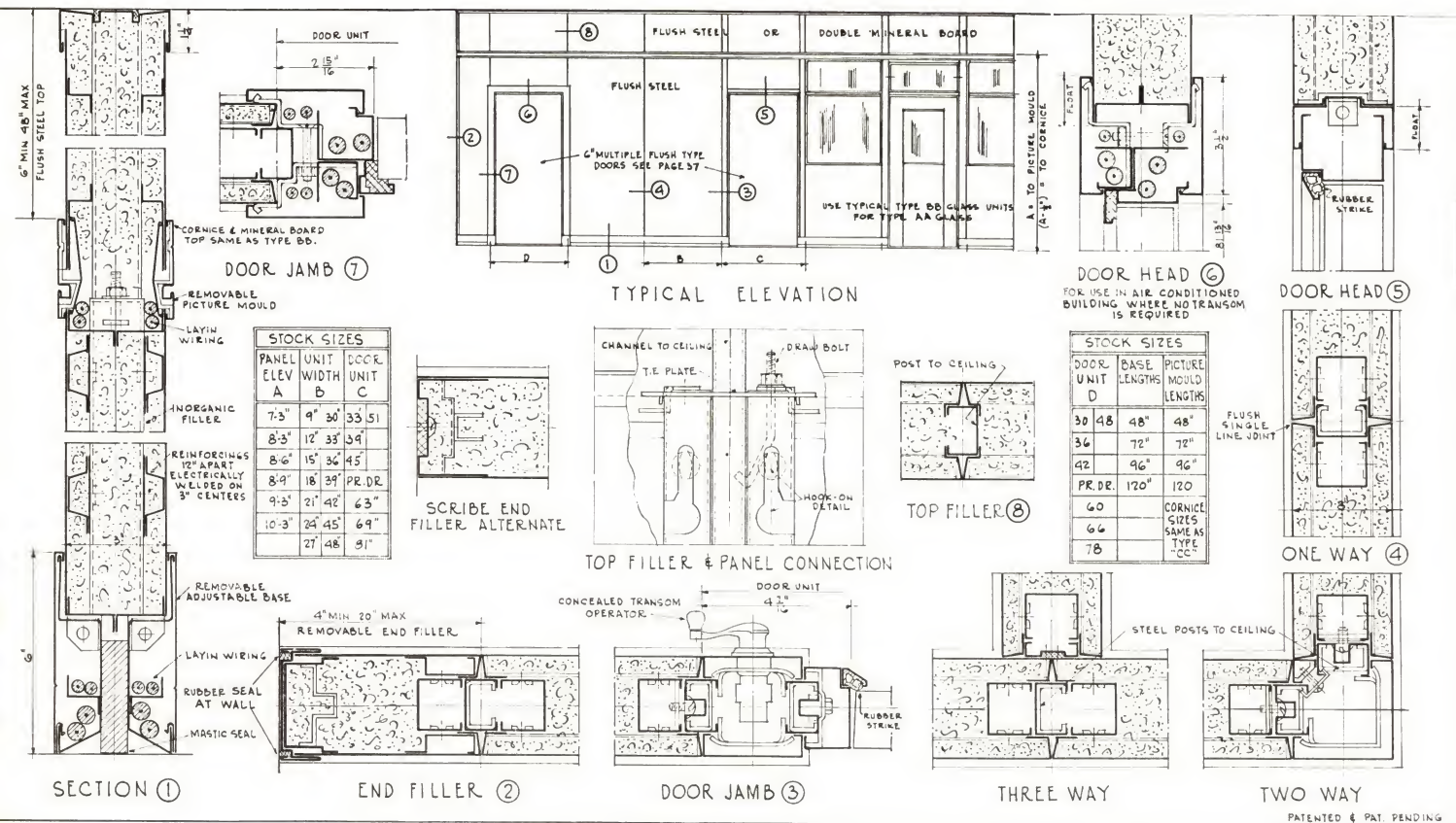
Type WW is being used as building standard in 8' 2½" elevation finished 4946 Brown.

New installations, arrangements and tenant changes in the above buildings, as well as in over 100 office buildings in the U.S.A. and in Canada are made from Masterwall stocks with speed and no fuss, muss or dirt.

A HAUSERMAN PARTITION WILL NEVER BE AN ORPHAN

TYPE AA FLUSH STEEL

● 3" thick, De luxe construction, single line joint



Type AA Flush Steel and Steel and Glass De Luxe Masterwalls are 3" thick solid packed and have shop assembled panel units. Type AA flush steel is more soundproof than tile and plaster. These walls are absolutely flush permanently flat steel walls with a straight single hair line joint between all panels and ends. Type BB glass units and details are used for Type AA glass. Type AA glass has absolutely flush steel panels below the chair rail with glass above.

Flush steel panel units are shop assembled and are stocked in 3" multiples 12" to 48" in 6 elevations. Steel and glass panel units are stocked in 3" multiples 12" to 60" in 6 elevations with 42" and 54" chair rail and have patented telescopic glazing throughout. Flush steel panels, both in the all steel and steel to chair rail are 3" solid packed with inorganic sound-deadening filler. De luxe construction, steel reinforced flat steel panels solid packed. Reinforcings spaced 12" apart electrically welded on 3" centers. Panels have deadening coat of mastic on inside. A concealed telescopic steel post at each panel joint anchored floor to ceiling is furnished with steel top filler. Packed double flush steel top filler

Department of the Interior, Washington, D. C.

31,000 lineal feet of walls and closets in this installation.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

TYPE AA STEEL & GLASS

○ 3" glazed, De luxe construction, double line joint



*Dept. of Interior,
Washington, D. C.*

Type AA 9'-3" steel glass steel elevation single glazed with flush steel top pillar. Gray stipple finish. Closet enclosed by type AA 9'-3" flush steel.

matches the panels and is stock. A double mineral board top with either picture mould or cornice is available. The door and panel units are interchangeable. End fillers have a flat mould at the wall or are strictly flush (at additional cost). The end filler wall channels have a felt seal which takes up all wall irregularities. A felt seal is also available for the bottom of doors, an important item for sound reduction. (See details page 20).

There are lay-in wiring facilities, i. e., in the base, through the end fillers, around the door frames and also through the picture mould. These lay-in facilities are also used for concealing air-conditioning lines and other piping, if desired.

The door trim is absolutely flush. Door frames are full floating type with a rubber strike. Transoms with concealed operators, fixed glass panels, or flush steel panels may be used over doors. A projecting trim door frame is also available for all steel elevations in air-conditioned buildings where no transoms are required.

Double glazing 42" chair rail to transom rail only is carried in stock.

*National Steel Co. Lobby
Chrysler Building
New York, N. Y.*

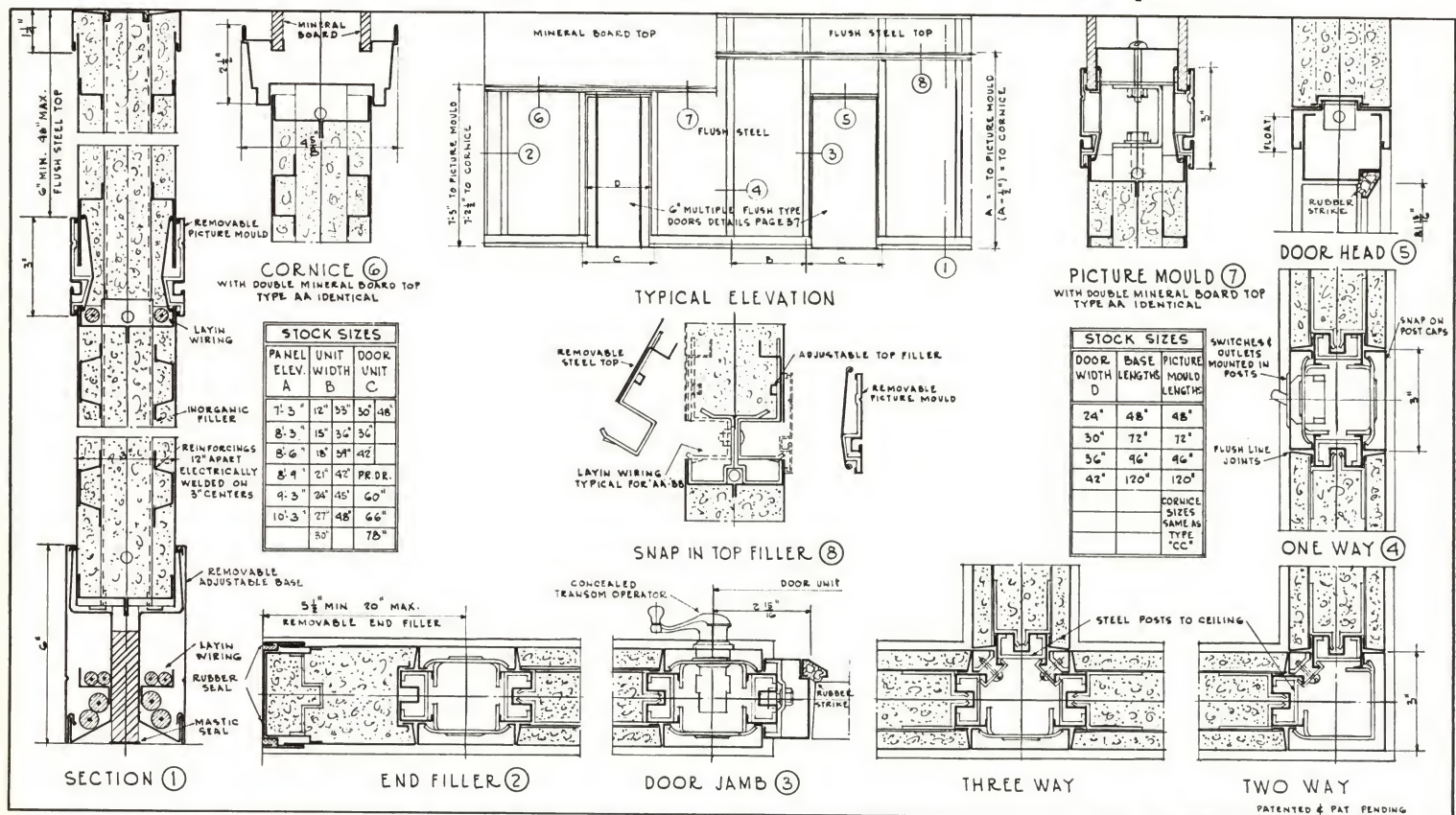
Type AA flush steel wainscoat 8-21½" elev. walnut grain finish.



ENGINEERS AND ERECTORS AVAILABLE EVERYWHERE

TYPE BB FLUSH STEEL

• 3" De luxe Construction, double line joint, universal post



Type BB Steel differs from type AA principally in that it has a two-line joint, a four-way post assembly and snap on post caps full height of partition. Type BB Steel is an absolutely flush permanently flat steel wall more soundproof than a tile and plaster wall. Type BB steel and glass has absolutely flush steel panels to chair rail with glass above and is used with type AA steel as type AA steel and glass.

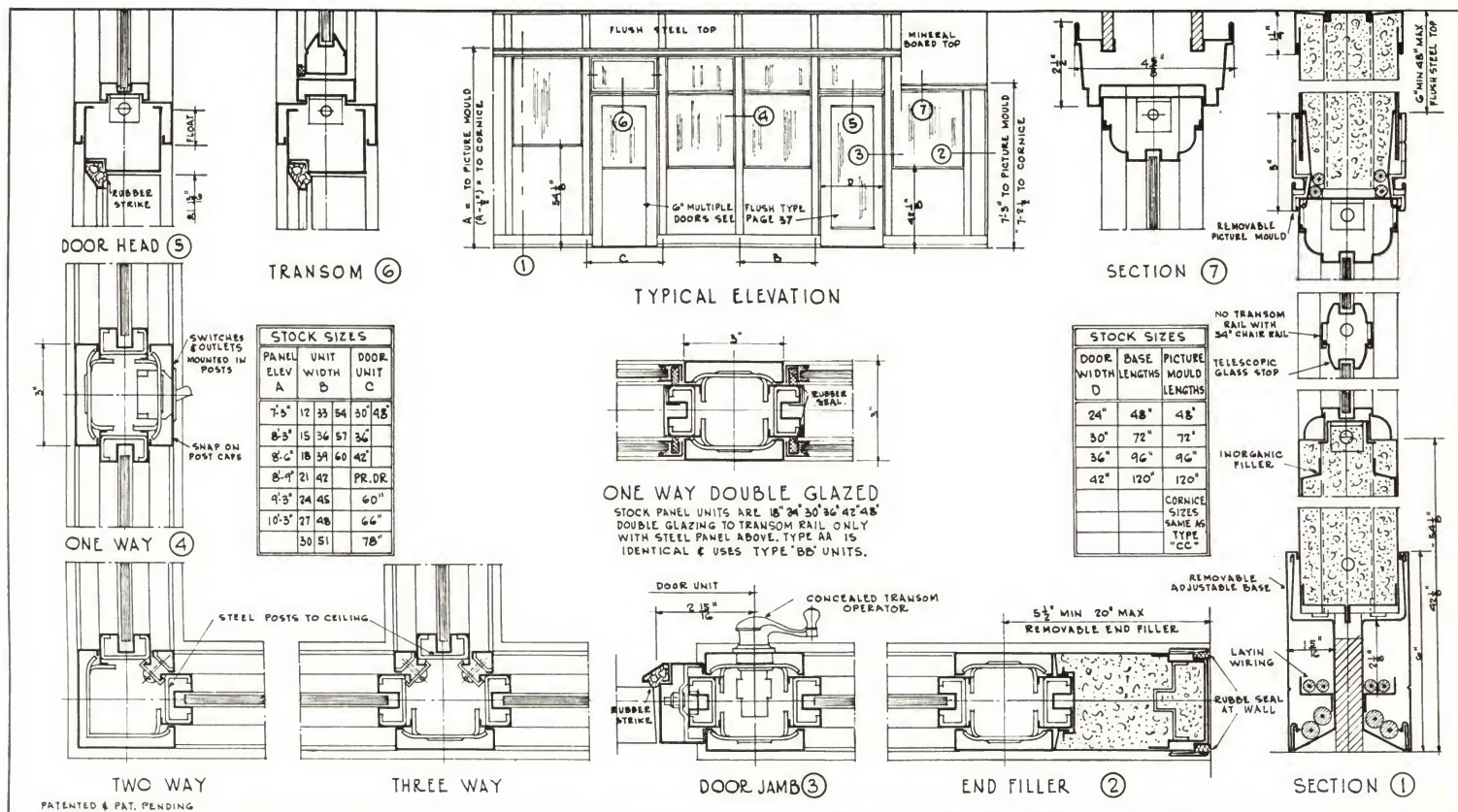
All steel panel units are shop assembled and are stocked in 3" multiples 12" to 48" in 6 elevations. Glass panel units are stocked in 3" multiples 12" to 60" in 6 elevations with 42" and 54" high chair rails and have patented telescopic glazing throughout. Flush steel panels both in the all steel and steel to chair rail are 3" solid packed with inorganic sound deadening filler. De luxe construction, steel reinforced flat steel panels solid packed. Reinforcements spaced 12" apart, electrically welded on 3" centers. Panels have deadening coat of mastic on inside. A universal post provides four-way assembly of

**Detroit Edison Co.,
Detroit, Mich.**

Type BB 7'-2 1/2" elevation with double flush steel top fillers. Buff finish black base.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

- **3" glazed, De luxe construction, double line joint, universal post**



panel units. The door and panel units are interchangeable. All units are joined by rigid clip assembly which is concealed by snap-on post caps. The flush double steel top filler matches the panels and is stock. A double mineral board top filler either with cornice or picture mould is available. End fillers have a flat mould at the wall or are strictly flush (at additional cost). The end filler wall channel has a felt seal. A felt seal is also available for bottom of doors, an important detail for maximum sound-proofness. (Details page 20.)

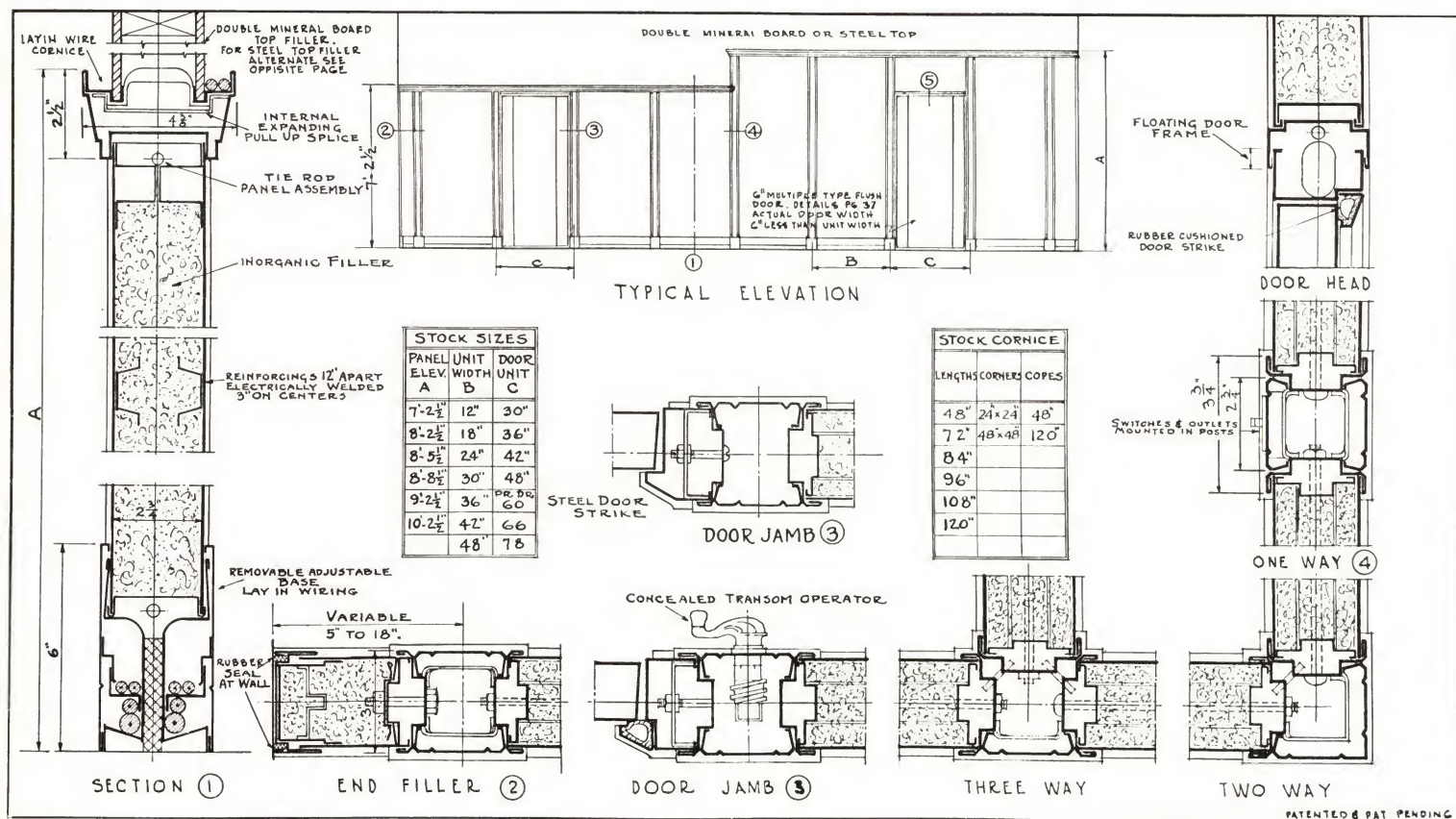
Type BB is provided with laying wiring facilities in base, through the ends, around the door frames and also through the picture mould. These laying facilities are also used for concealing air-conditioning and plumbing lines, if desired. The door trim is flush. Door frames are full floating type with a rubber strike. Transoms with concealed operator are available. Flush steel or fixed glass panels may also be used above doors. Double glazing 42" chair rail to transom only is carried in stock. See pages 32 and 33 for railings and counters.

Type BB 8'-8½" steel glass steel
elevation with steel top. Finish
mahogany grain.



TYPE CC SEMI-FLUSH STEEL

• 2 $\frac{3}{4}$ " panel, De luxe construction, 3" universal post



Type CC differs from BB primarily in that it has semi-flush pilasters instead of flush, a cornice instead of an applied picture mould, with concealed extension post to ceiling, and a 2 $\frac{3}{4}$ " thick panel instead of a 3" panel. The CC semi-flush steel is a permanently flat Masterwall of de luxe construction, for all office uses. It is more soundproof than tile and plaster. The semi-flush steel and glass is ideal for all general office purposes where visibility or light is desired. Tie rod shop assembled panel units permit field cut down feature.

The semi-flush steel panel units are stocked in 6" multiples from 12" to 48" wide and 6 heights. The steel and glass units are in 6" multiples 12" to 60" wide, 6 elevations with 42" or 54" chair rail heights and have patented telescopic glazing throughout. All semi-flush steel panels both in the all steel and steel to chair rail are 2 $\frac{3}{4}$ " solid packed with inorganic sound-deadening filler. De luxe construction, steel reinforced flat steel

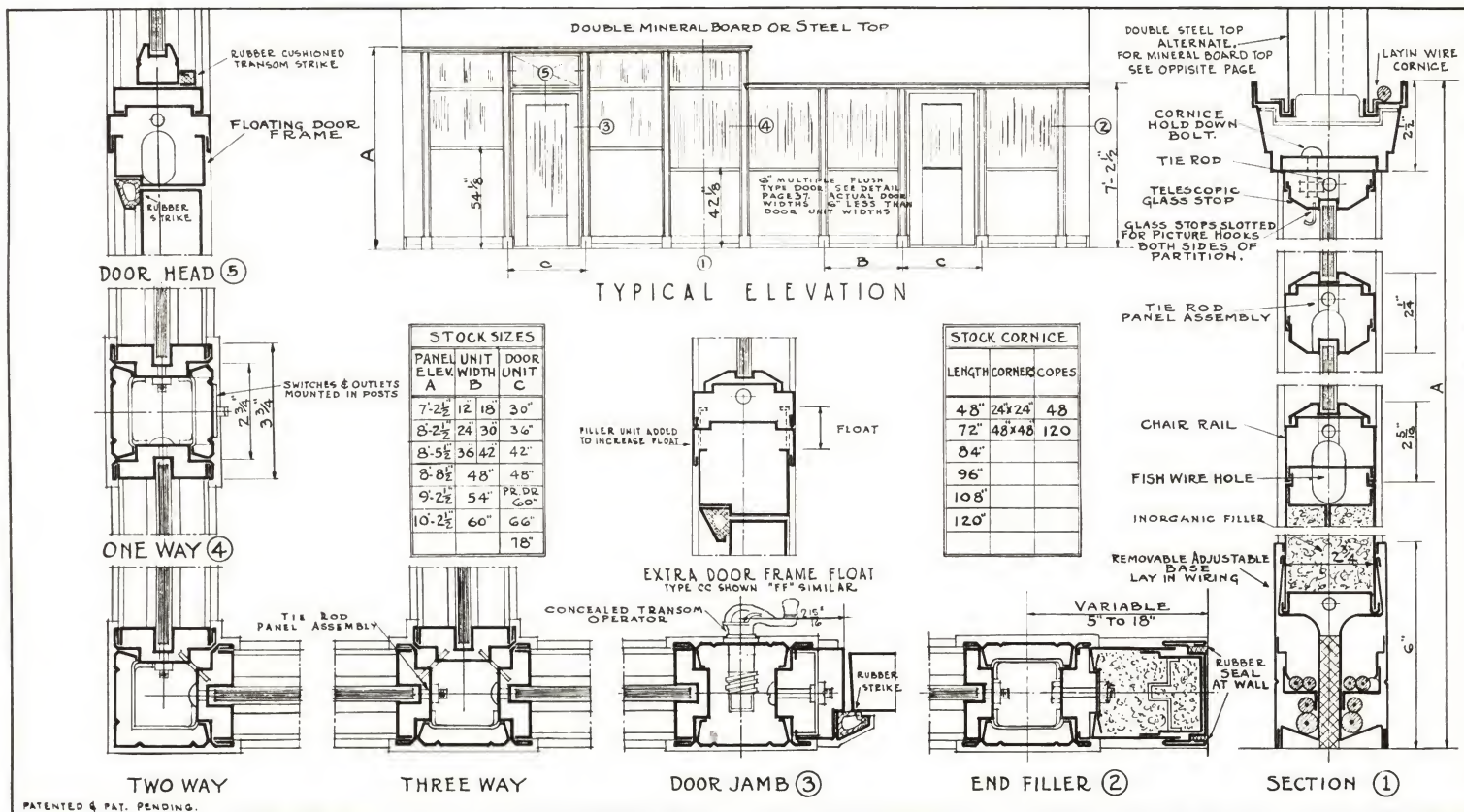
**Intertype Corp.,
Los Angeles, Calif.**

Type CC 8'-8 $\frac{1}{2}$ " semi-flush steel elevation. Railing 42" high with stainless steel handrail. Grained walnut finish.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

TYPE CC-GLASS

● single glazed, 2³/₄" panel, De luxe construction, 3" universal post



panels solid packed. Reinforcings 12" apart, electrically welded 3" on centers. Panels have deadening coat of mastic on inside. Type CC has a universal post permitting four way assembly of panel units. The rigid clip assembly of panel units is concealed by snap-on post caps. A double mineral board or double flush steel top filler is optional. Packing is recommended in top filler for soundproofness.

The door and panel units are interchangeable without disturbing cornice, top filler or adjoining units. Layin facilities are provided for wiring or air conditioning lines in base and cornice. The full floating door frame is available in either rubber or steel strike. The doors may be provided with felt seal at bottom for maximum sound reduction. (See details page 20). Transoms equipped with concealed operator or friction device are available. Semi-flush steel panels or fixed glass may also be used over doors. Double glazing 42" chair rail to transom rail only is stocked. See pages 32 and 33 for railings and counters to match.

*Chrysler Truck Plant,
Detroit, Michigan
Albert Kahn, Inc., Architect*

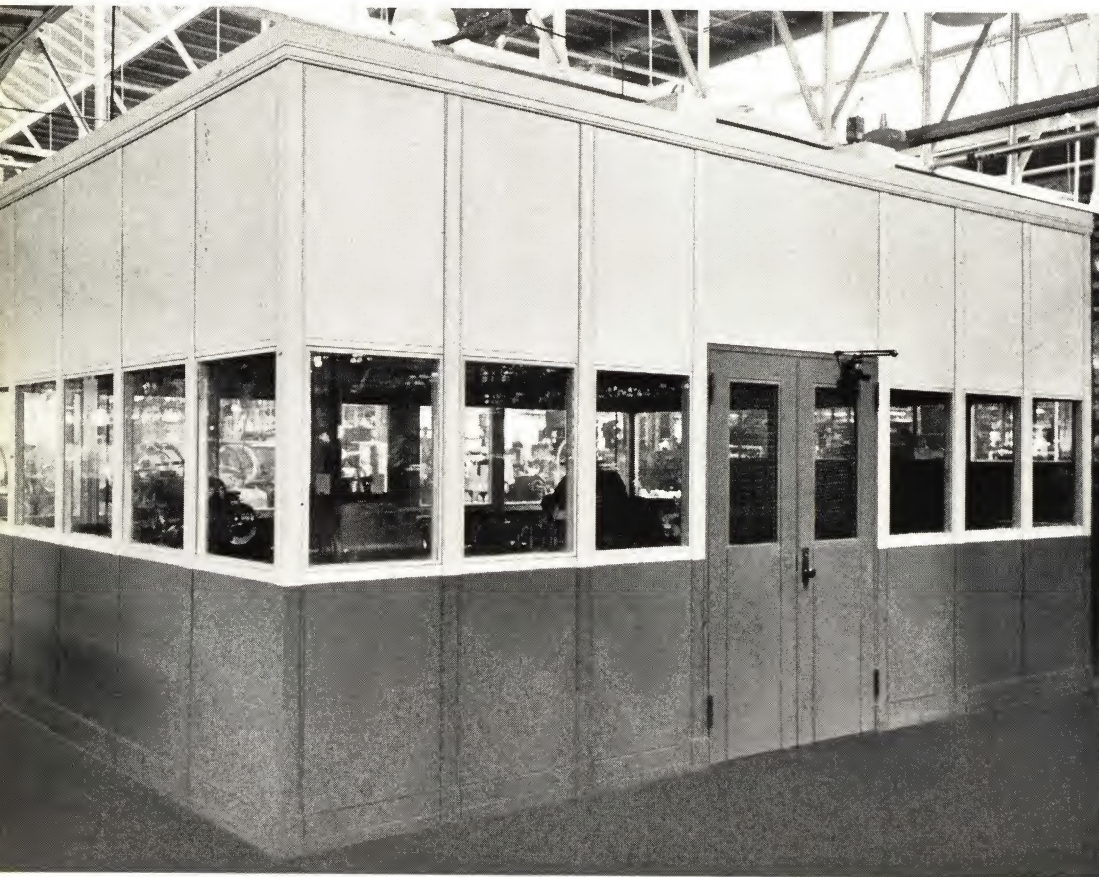
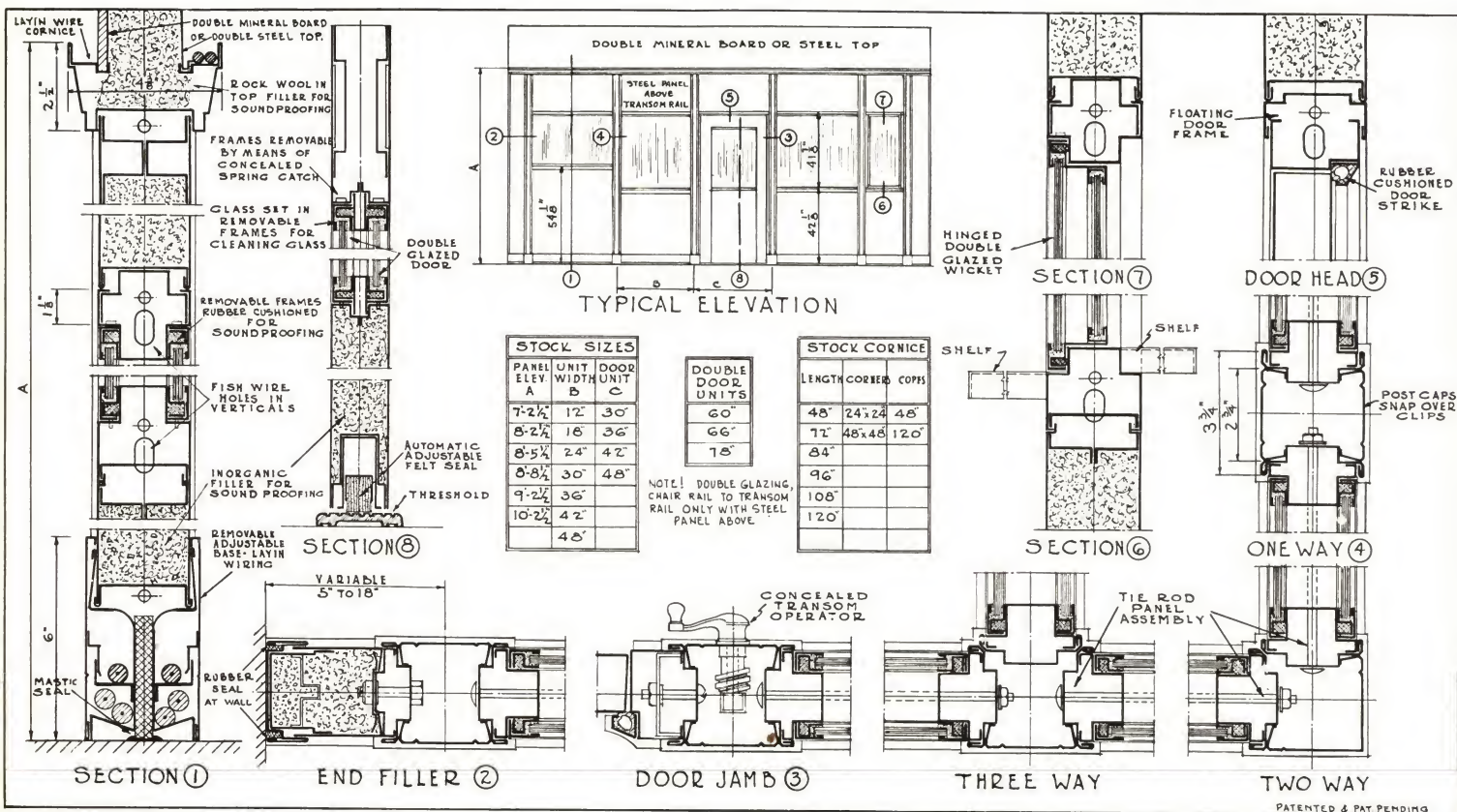
Type CC 9'-2 1/2" elevation cornice high, 54" chair rail. Finish light tan.



THERE IS NO SUBSTITUTE FOR MASTERWALL QUALITY

TYPE CC-DOUBLE GLAZED

● double glazed, De luxe construction, soundproof, 3" universal post



TYPE CC DOUBLE GLAZED MASTERWALLS have double rubber sealed glass frames removable for cleaning the inside of both lights of glass. Double glazing is used for all purposes where light or visibility is essential and where soundproofness is also desired. Similar details are used for double glazing types AA and BB. Panel units are stocked in 6" multiples 12" to 48" wide, 6 heights in steel, glass, steel, elevation only. There is mastic seal at the floor, packing in snap-on post caps, end fillers, cornice and plinths for soundproofness. Packed double mineral board or packed double flush steel top is optional. Tops must be packed if sound insulation equal to double glazing is maintained.

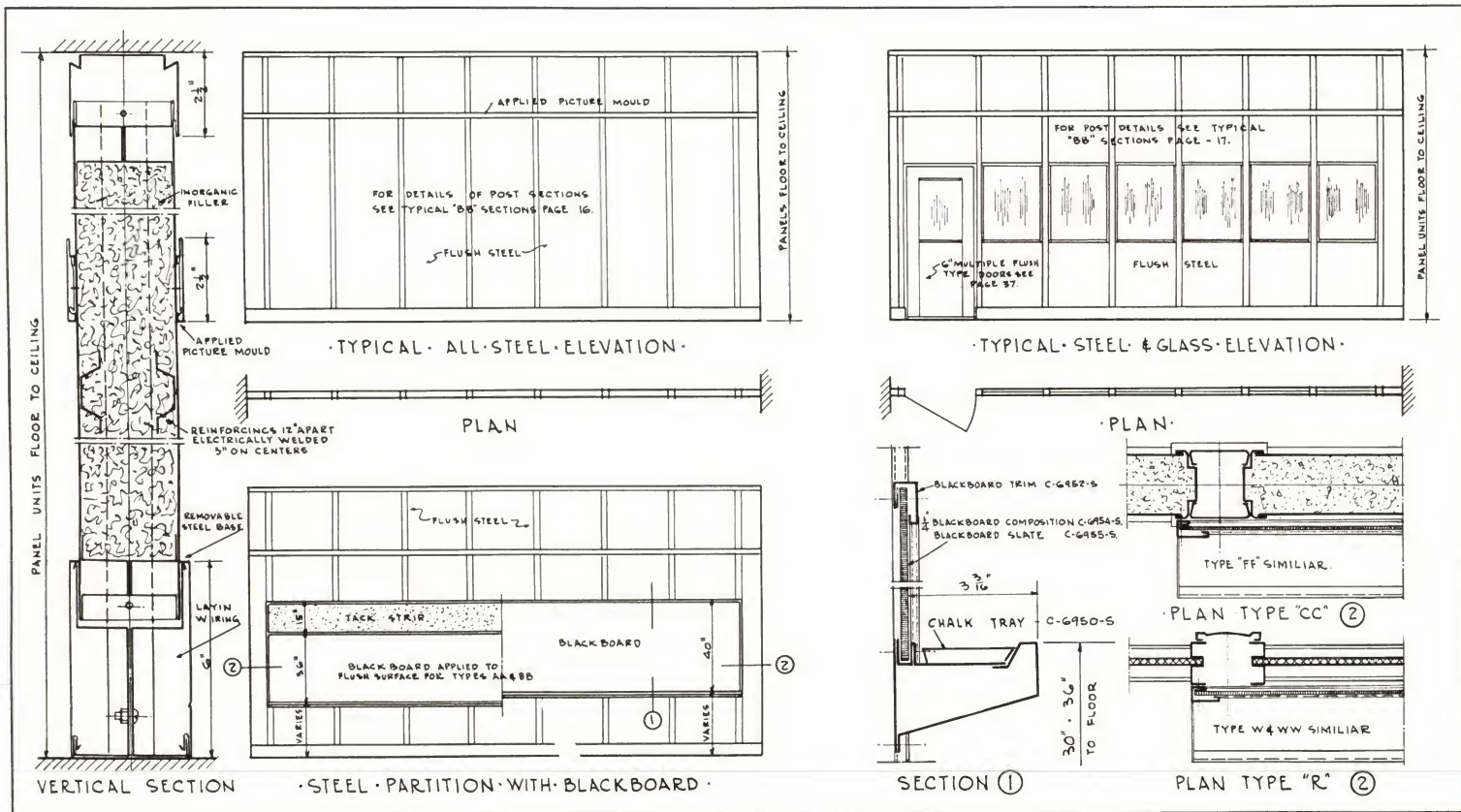
Doors should be provided with felted strike and felt seal at bottom. See details above. Fixed double glazing is used over doors, as transoms are not recommended. **SOUNDPROOF TEST ROOM CONSTRUCTION** — The illustration shows a soundproof and sound absorbing Test Room installed in the center of a plant. The interior walls and ceiling are acoustically treated for sound absorption while the exterior walls are of solid steel. (See details page 8).

Chevrolet Motor Corp.,
Tonawanda, N. Y.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

PARTITIONS FOR SCHOOLS

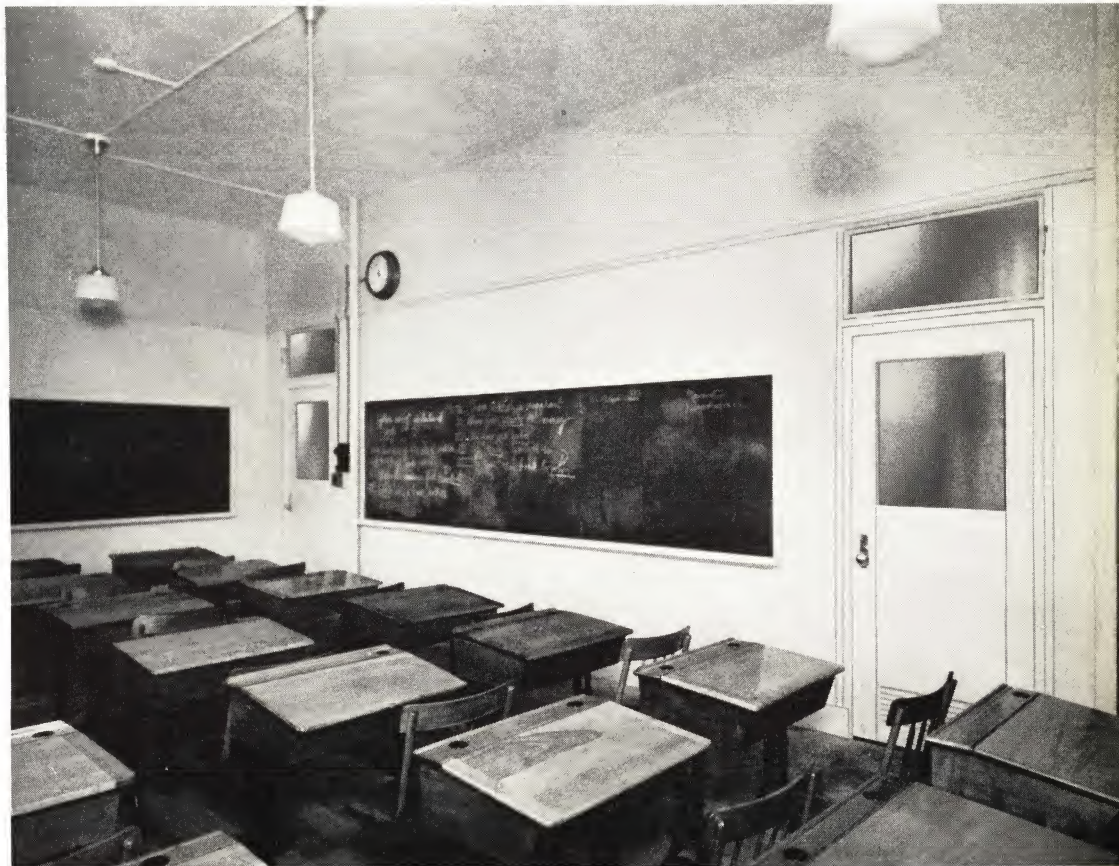
- movable, soundproof, fireproof, low maintenance



EDUCATIONAL training must change with the social and economic conditions which are always changing. School curriculums and methods have had many adjustments in the past ten years. Adjustments will occur with greater frequency in the next ten years as changes in educational systems and training are just now gaining impetus. The future must be considered in schools being planned now to avoid their outmoding by BUILDING IN flexibility.

MOVABLE STEEL PARTITIONS provide this flexibility, and are fireproof. Masterwalls 2 $\frac{3}{4}$ " and 3" thick solid packed with inorganic filler are more soundproof than 4" tile walls plastered both sides. Flush and semi flush types have the steel panel plates held permanently flat by steel reinforcing ribs 12" apart spotwelded 3" o.c. They do not require frequent painting as in the case of plaster walls. Their light weight is desirable in the design of school floor construction as they weigh only 7 lbs. per square foot compared to 33 lbs. for 4" tile walls plastered both sides. Accessible wiring raceways are provided in the base and posts. Flush and panel designs, single or double glazed are available. See page 48 for steel base, picture mould and door bucks.

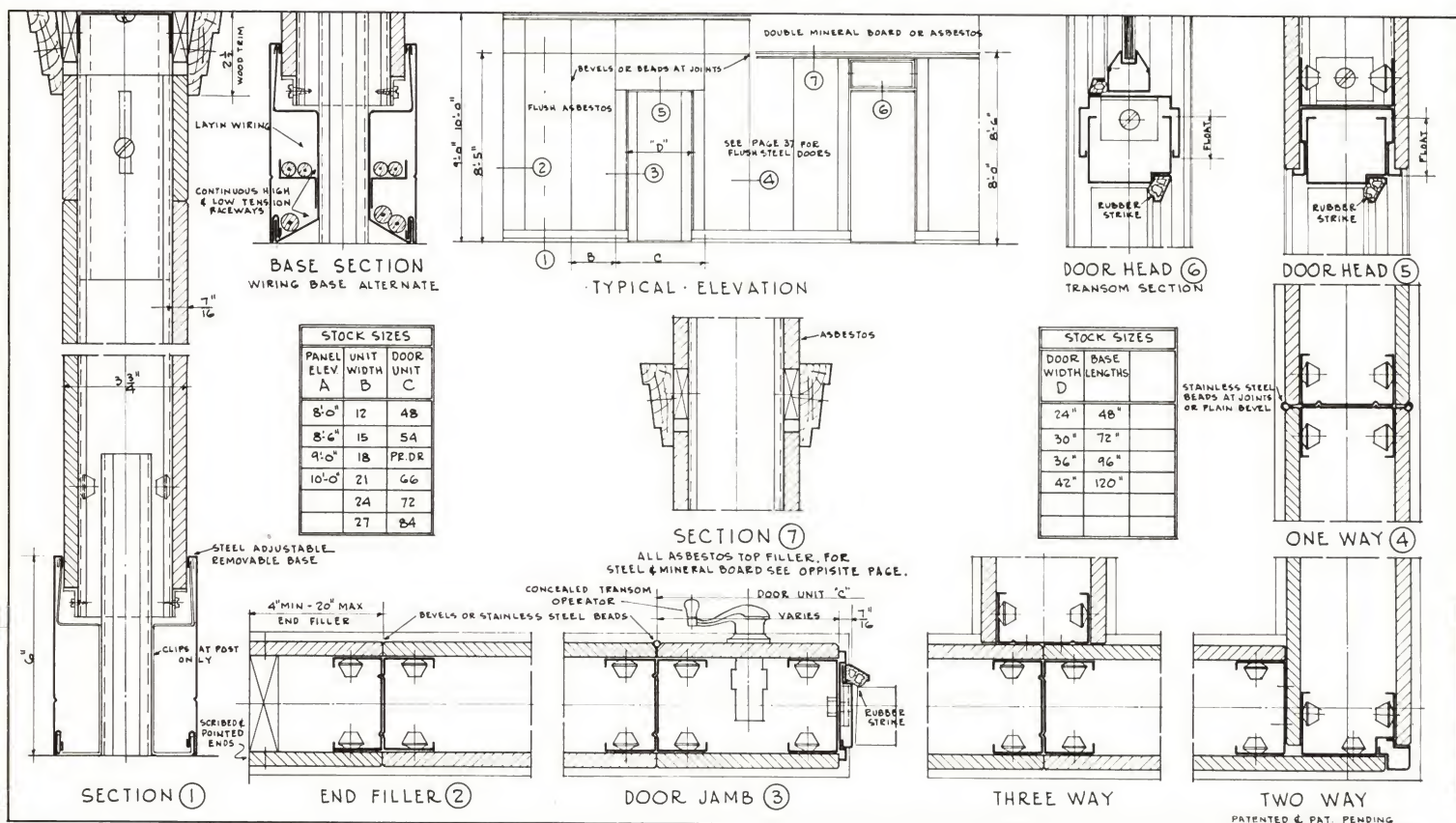
*East Boston High School
East Boston, Mass.*



A MASTERWALL FOR EVERY PLACE AND PURPOSE

TYPE EE FLUSH ASBESTOS

• $3\frac{3}{4}$ " thick — single line joint, field assembled



Type EE Flush Asbestos and Asbestos and Glass are $3\frac{3}{4}$ " thick and have field assembled panel units. When solid packed with inorganic filler these Masterwalls are more soundproof than a tile and plaster wall. Type EE All Asbestos is absolutely flush with single bevel line or stainless steel bead joints. All Asbestos panels are stocked in 12", 15", 18", 21", 24" and 27" units in 8'-0", 8'-6", 9'-0" and 10'-0" elevation. Asbestos panels are $\frac{7}{16}$ " thick and are secured to posts by means of concealed buttons.

Asbestos and Glass Panel units have flush asbestos with single line bevel V or stainless steel bead joints to chair rail and asbestos faced posts $3\frac{3}{4}$ " wide between glass panels. These units are stocked in 6" multiples 24" to 48" with 42" and 54" chair rail and in an 8'-0", 8'-6", 9'-0" and 10'-0" elevation. Patented telescopic glazing is used throughout.

Door and panel units are interchangeable. A double mineral board or asbestos top filler match-

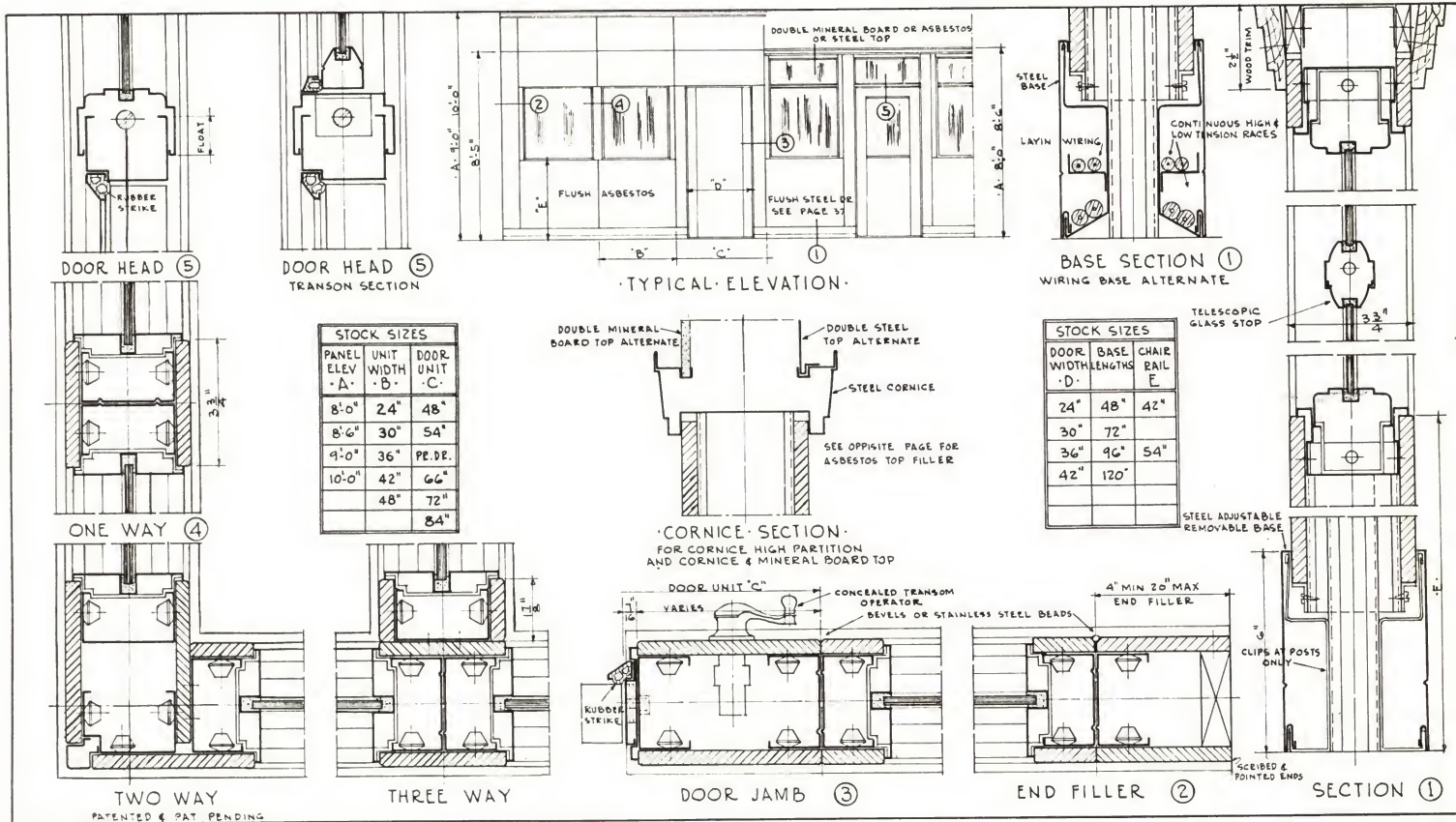
**U. S. Tobacco Company,
Rockefeller Center,
New York, N. Y.
Reinhard & Hofmeister,
Architects**

Type EE Flush Asbestos 8'-6" elevation, light gray. Type CC 36" high railing with stainless steel hand rail.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

TYPE EE-ASBESTOS & GLASS

• 3³/₄" single glazed—single line joint, field assembled



ing panels is available with wood cornice trim mould. End fillers are strictly flush, scribed to the walls and painted. The door frame is full floating with a rubber strike. A felt seal is also available for bottoms of doors, if desired — an important factor for sound reduction (see page 20). All doors are flush steel 1³/₄" thick.

Steel base is adjustable to floor variations on both sides of partition. Base regularly furnished with clips at posts only but a double continuous raceway wiring base is also available (see details above).

There are lay-in wiring facilities, i. e., in the base through the end fillers and around the door frame. These lay-in facilities are also used for concealing air-conditioning lines and other piping, if desired.

Transoms with concealed operators, fixed glass panels or flush asbestos panels may be used above doors. Double glazed glass units are also available.

*Personnel Building,
Frantz & Spence, Architects*

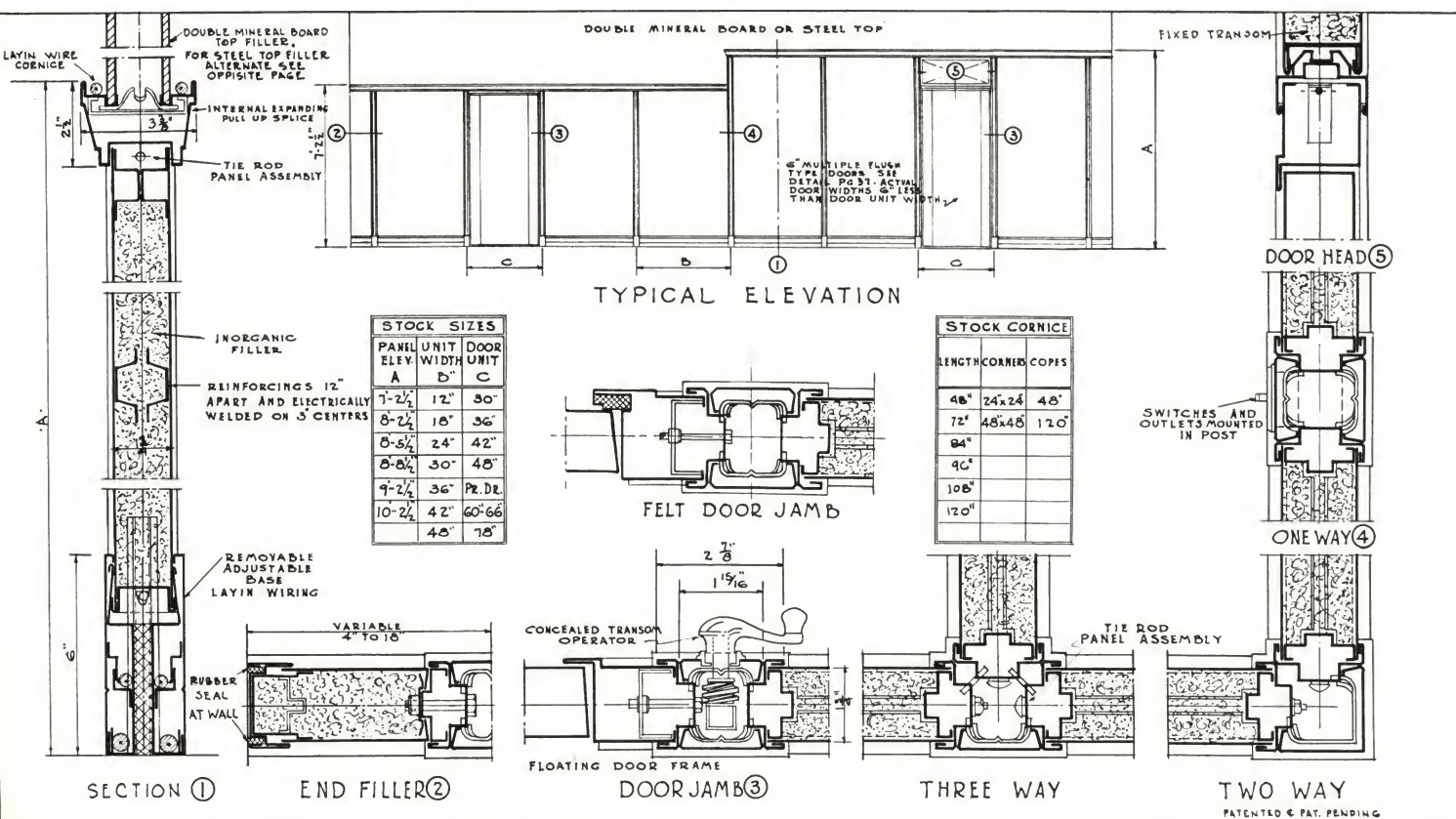
Type EE 9'-0" elevation flush asbestos with asbestos railing to match light gray finish.



QUALITY, SPEED, SERVICE—HAUSERMAN

TYPE FF-SEMI-FLUSH STEEL

• 1 $\frac{3}{4}$ " panel, De luxe construction, 2" universal post



Type FF is essentially a glazed partition of the most refined detail. It is furnished in solid steel where desired in connection with installations largely glass and steel. The thinner panel provides a shallower reveal at the glass line and a more slender post with consequent greater glass area. It is a De luxe Masterwall of the finest type with neat, well proportioned lines. Tie rod shop assembled panel units permit field cut down feature. Type FF 2" semi-flush steel has maximum soundproofness for its panel thickness.

The panel units are stocked in 6" multiples from 12" to 48" wide and in 6 elevations. The glass and steel units are stocked in 6" multiples 12" to 60" wide 6 elevations with 42" or 54" chair rail height and have patented telescopic glazing detail above. All of the semi-flush steel panels in both the all steel and steel to chair rail are 1 $\frac{3}{4}$ " solid packed with inorganic sound deadening filler.

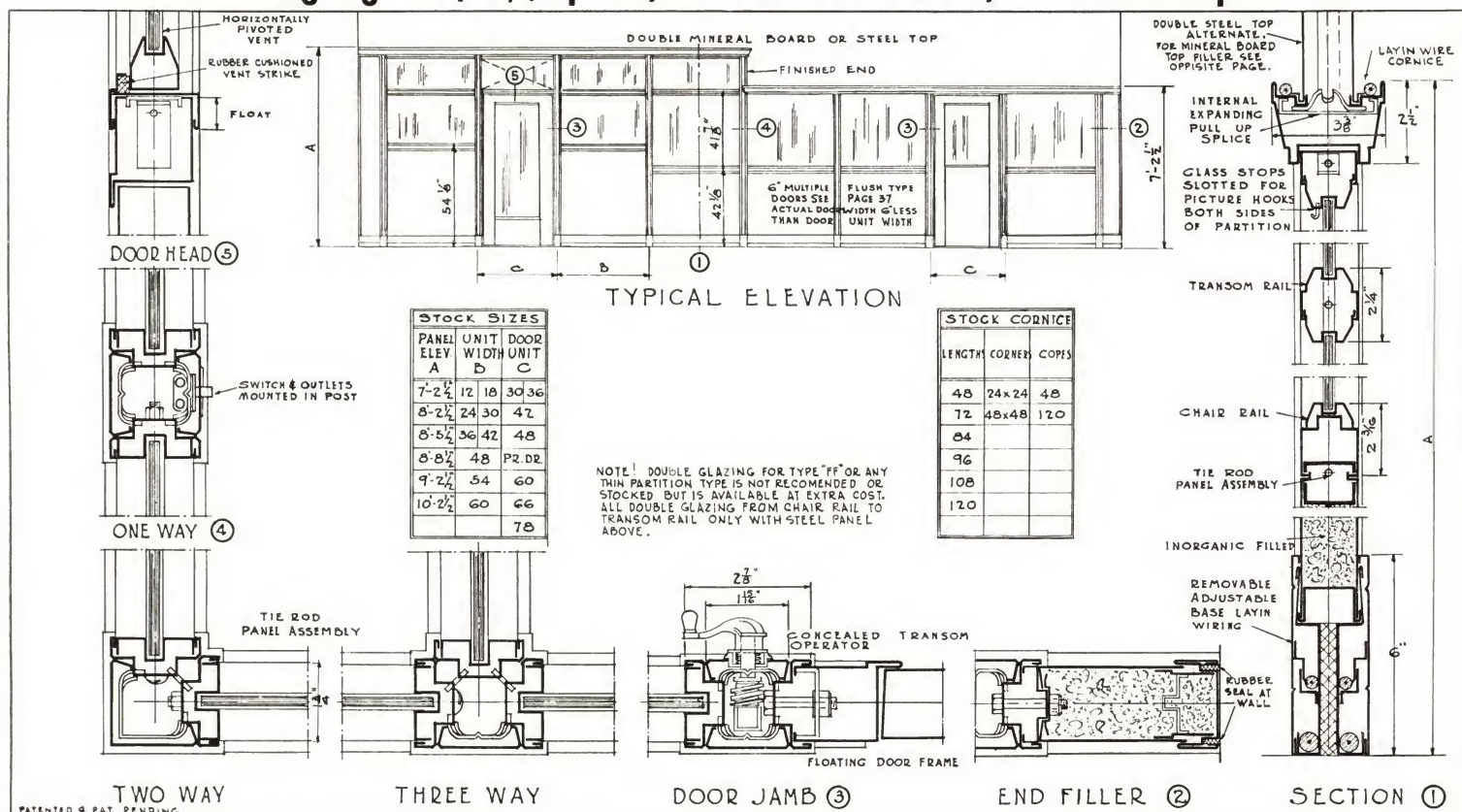
Upjohn Company,
Kalamazoo, Michigan
Albert Kahn Inc., Architect

Type FF 9'-2 $\frac{1}{2}$ " elevation all steel with 9'-2 $\frac{1}{2}$ " steel glass steel 48" chair rail. Tan finish with black base.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

TYPE FF-GLASS

- **single glazed, 1³/₄" panel, De luxe construction, 2" universal post**

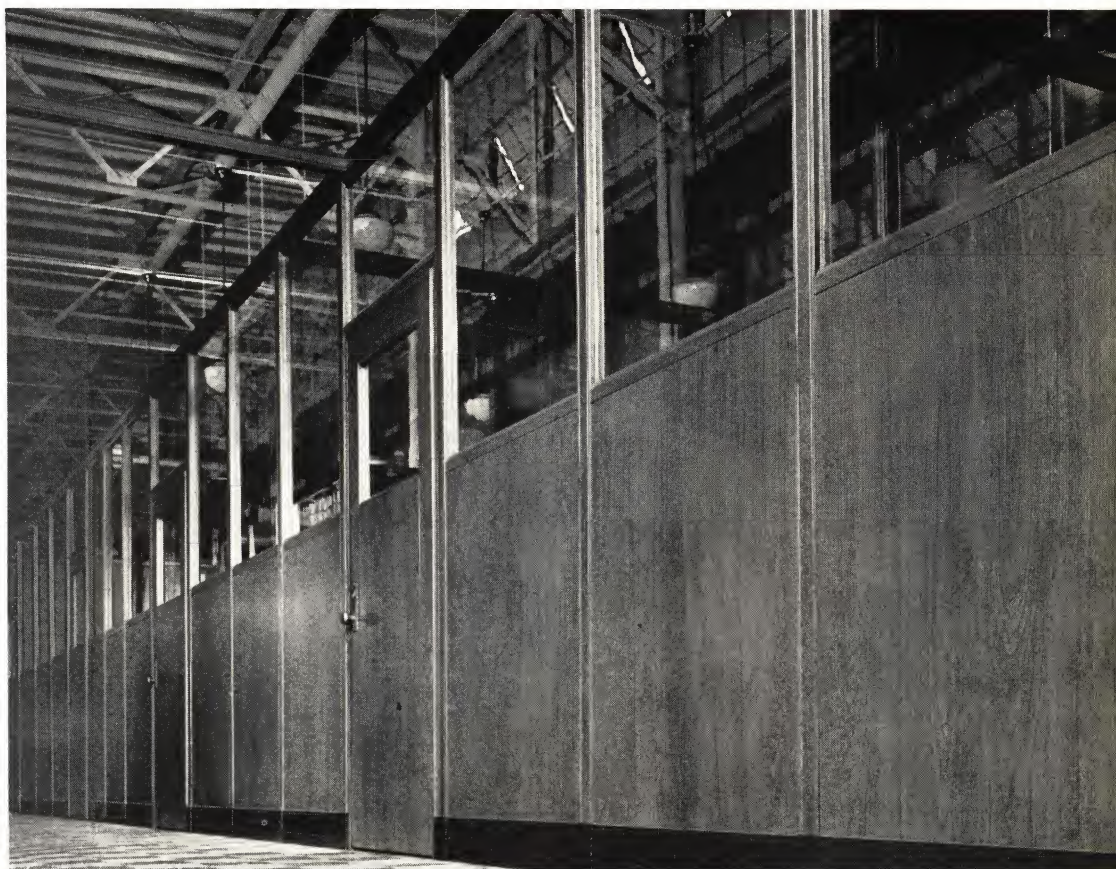


De Luxe construction, steel reinforced flat steel panels solid packed. Reinforcings spaced 12" apart electrically welded 3" on centers. Type FF has universal posts with rigid clip assembly of panel units concealed by snap-on post caps. A double mineral board or flush double steel top filler is optional with or without packing. The door and panel units are interchangeable without disturbing top filler, cornice or adjoining units.

Laying facilities are provided for wiring or air conditioning lines in base and cornice. The full floating door frame is available in either a rubber or steel strike. Doors may be provided with felt seal at bottom for sound reduction if desired. (See details Page 20). Transoms with concealed operator or friction device are available. Semi-flush steel panels or a fixed glass panel may be used over doors. For railings and counters to match see Pages 32 and 33.

**General Motors Corp.,
Diesel Division,
Detroit, Michigan
Albert Kahn Inc., Architects**

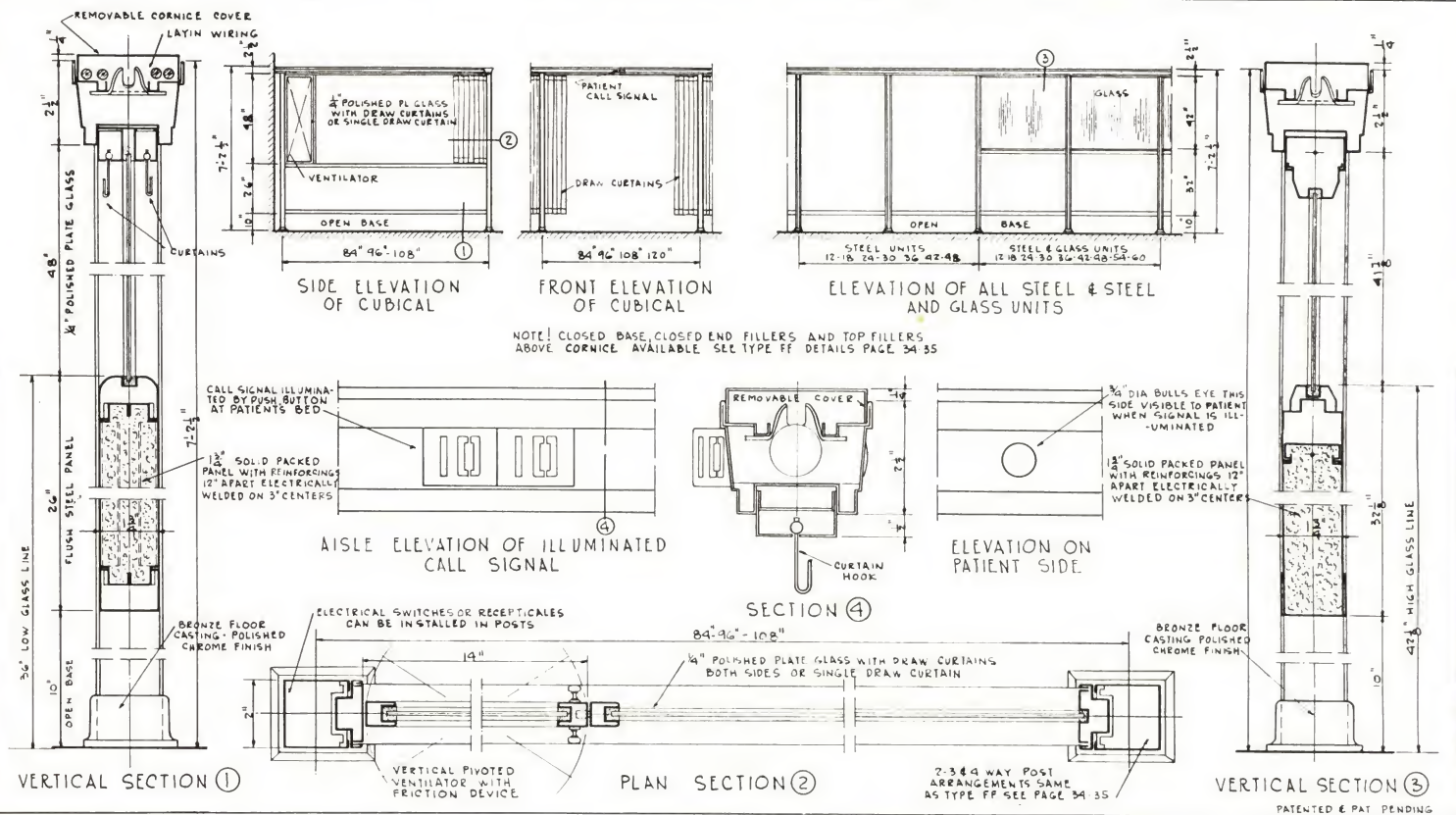
Type FF 9'-2½" cornice high steel and glass elevation, 54" chair rail. Walnut grain finish with black base.



ORGANIZED FOR SERVICE FROM COAST TO COAST

HOSPITAL CUBICLES

● maximum movability, ventilation, light



Hospital Cubicle partition has the same features as type "FF" partition. Panels are 1 3/4" thick solid packed with inorganic sound deadening filler. Panels have reinforcing, spaced 12" apart electrically welded 3" on centers. Masterwall cubicles are flexible and can be easily moved without muss, fuss or dirt. Ventilation is provided by open ends, base, tops and ventilators in the panels when they are glazed.

Complete conversion of large rooms or areas is accomplished economically and quickly without the usual hospital ward atmosphere. Unique easy sliding ball bearing draw curtain fixtures are built in (see detail above). Cornice and universal posts provide electric wiring facilities and are sealed against dust and dirt.

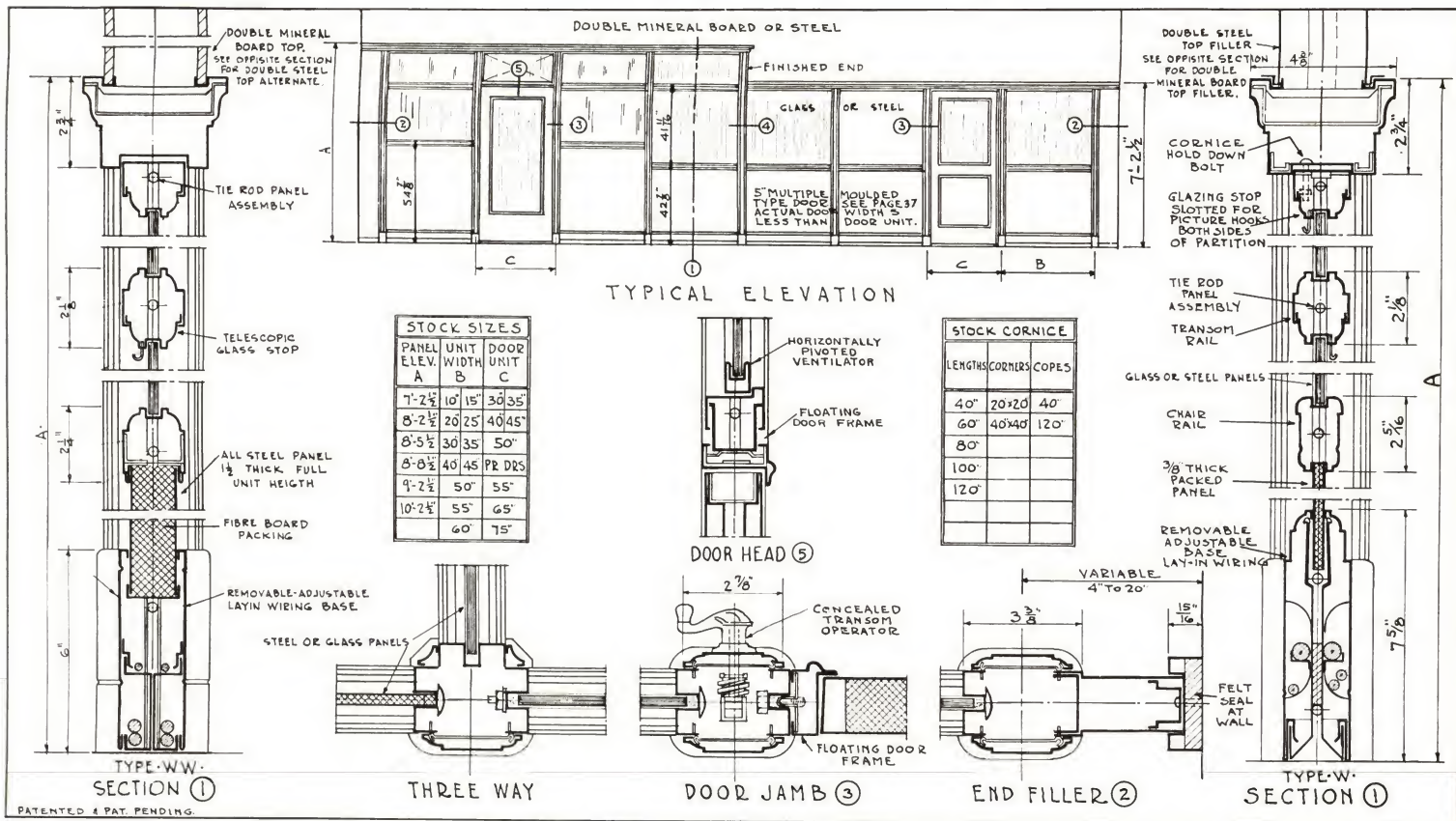
Illuminated individual patient call signals for each cubicle are furnished when specified. The call signal is built into the cornice. The extra wide glass panels give the maximum amount of light with fewer vision obstructing posts.

Stock sizes for the various combinations of cubicle are noted above on the details.

Hospital cubical 7'-2 1/2" to cornice with open base.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

● **$\frac{3}{8}$ " and $1\frac{1}{2}$ " packed panel, single glazed, 3" universal post**



Type W & WW are of moulded design. Type W has $\frac{3}{8}$ " and type WW $1\frac{1}{2}$ " solid packed steel panels. The glass panels above the chair rail on type W are interchangeable with $\frac{3}{8}$ " packed steel panels. Type WW all steel has a full height $1\frac{1}{2}$ " solid packed panel. Both types are tie rod shop assembled which permits field cut down. Both types have patented telescopic glazing, universal post and layin wire base. Door and panel units are interchangeable. Type W & WW have the same floating door frame with steel strike. Transoms with concealed operator or friction device are available. Double mineral board or double flush steel top filler is available. See page 32—for railing and counters to match.

Panel units are stocked in 5" multiples from 10" to 60" wide and in 6 heights with 42" or 54" high chair rail.

***E. I. DuPont De Nemours & Co.
Empire State Building,
New York City, N. Y.***

Type W 8'-5½" elevation with railing to match. Aurora glass to 7'-0", clear glass above. Walnut grain finish with 2" high black mop-strip and black painted handrail.

This type is standard for the Empire State Building which has over 200,000 sq. ft. installed.

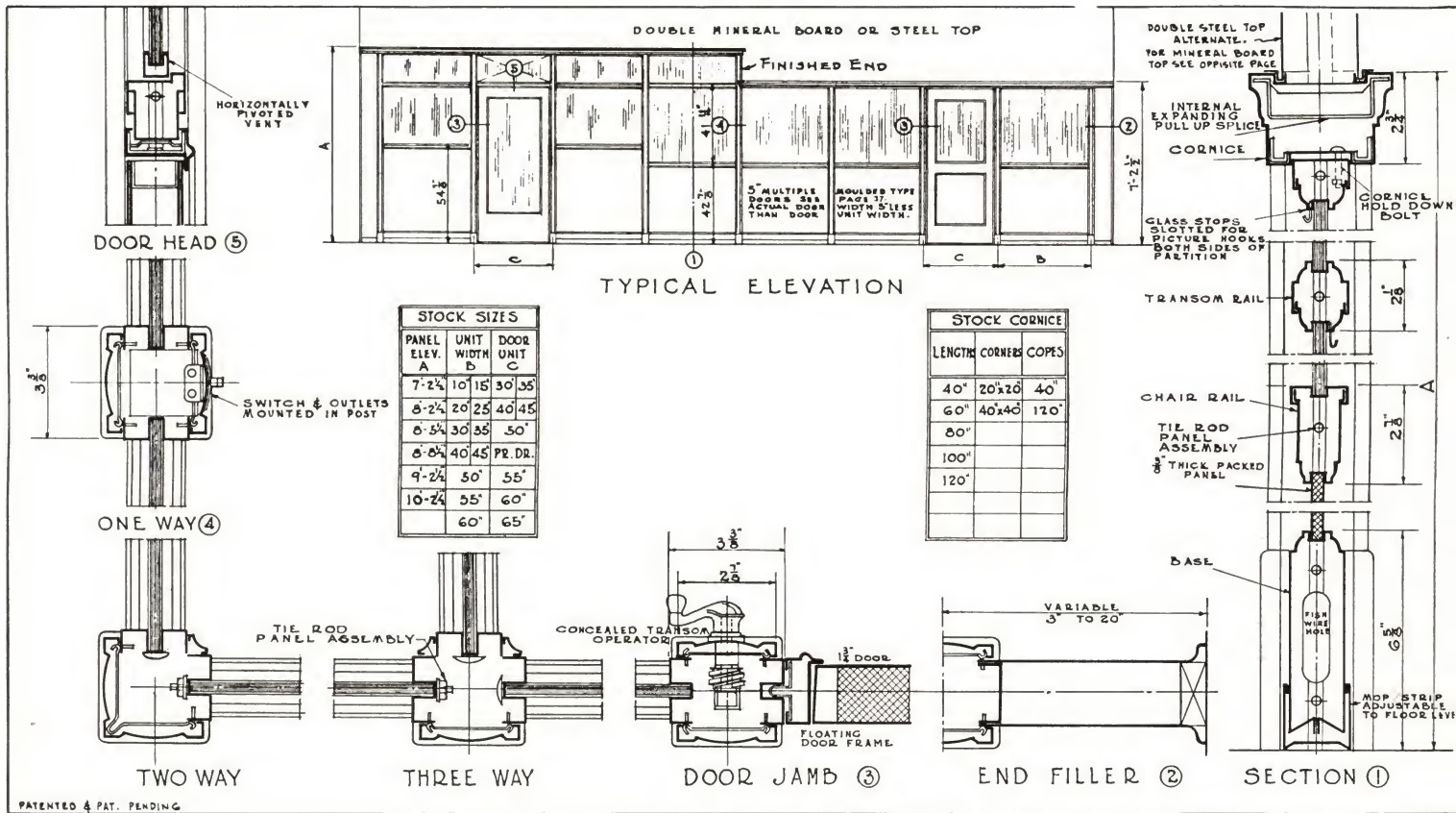


28



TYPE R-GLASS

● single glazed — $\frac{3}{8}$ " packed panel — 3" universal post



glazing used throughout for glass or steel glazing. Type R has universal posts with rigid clip assembly of panel units, concealed by snap-on post caps. A double mineral board or double flush steel top filler is available. Fish wire base is provided for wiring facilities.

The door and panel units are interchangeable without disturbing cornice, top filler or adjoining units. The door frame is floating and has a steel strike. Transoms with concealed operator or friction device are available. Fixed glass or steel panels may be used over doors. Moulded design railings and counters to match are detailed on pages 32 and 33.

Wagner Electric Co.,
St. Louis, Mo.

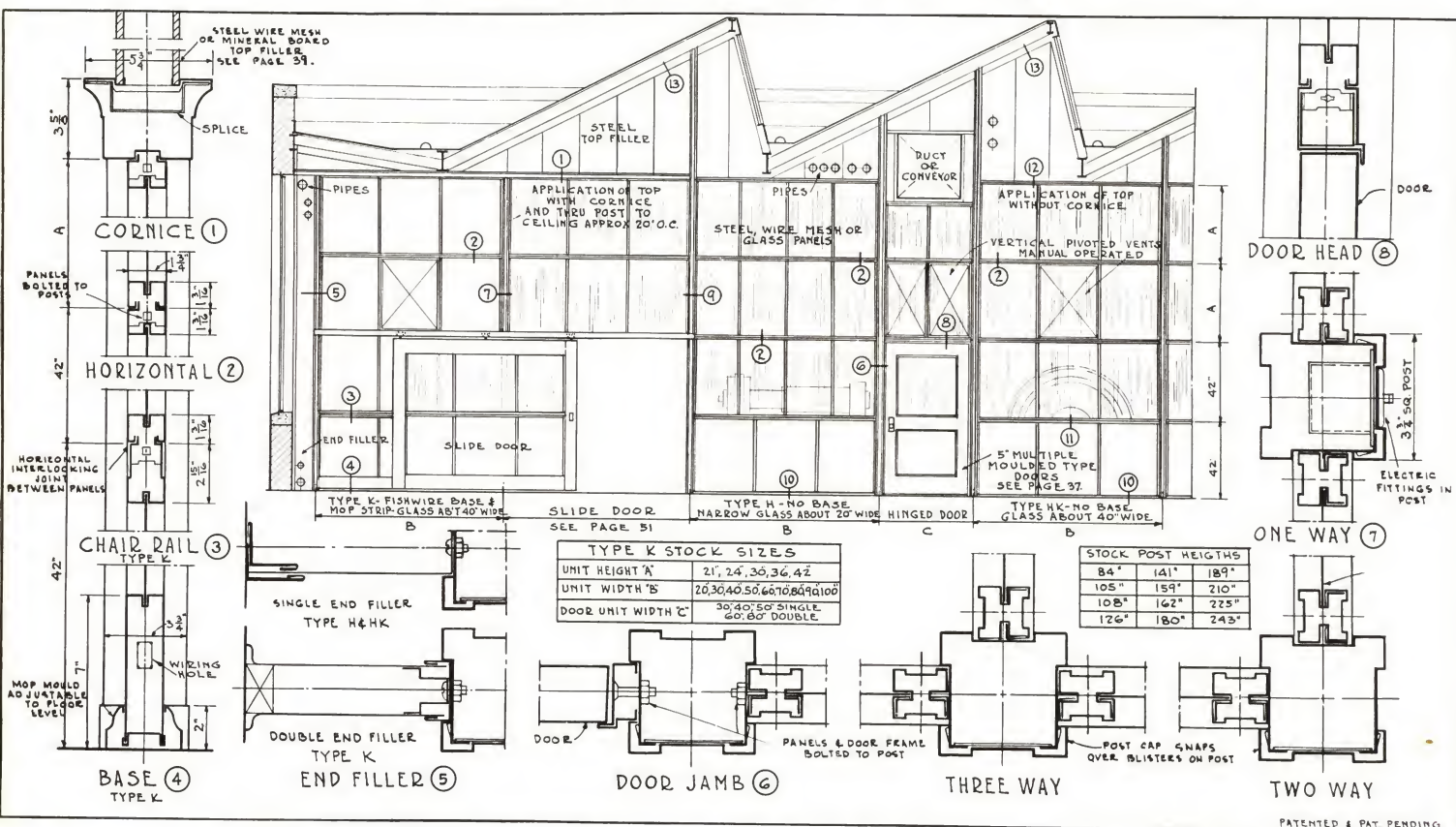
Type R 9'-2 1/2" steel and glass elevation. Green walls, walnut grain doors and black base and plinths.



ENGINEERS AND ERECTORS AVAILABLE EVERYWHERE

TYPE HK-K INDUSTRIAL

• single steel panels — $3\frac{3}{4}$ " universal posts



Type HK, K and H differ from type R and all other types in that they have vertical as well as horizontal assembly of panels. They have No. 18 gauge single steel panels instead of packed panels. These Masterwalls are field assembled from prefabricated panels and posts. A very rugged and economical type for all industrial purposes, adaptable to high ceilings, trusses, saw tooth roofs, etc.

Panels are available in single steel, glass or wire mesh. For stock sizes; see details. The panels and door units are interchangeable. Single steel adjustable top or wire mesh top filler is available. Wiring facilities in posts only for Types HK and H. Type K has fish wire base with adjustable mop strip, a cornice and double mineral board or steel top filler. Type H has no base, narrow 20" glass lights. Type HK has no base and glass lights about 40" wide.

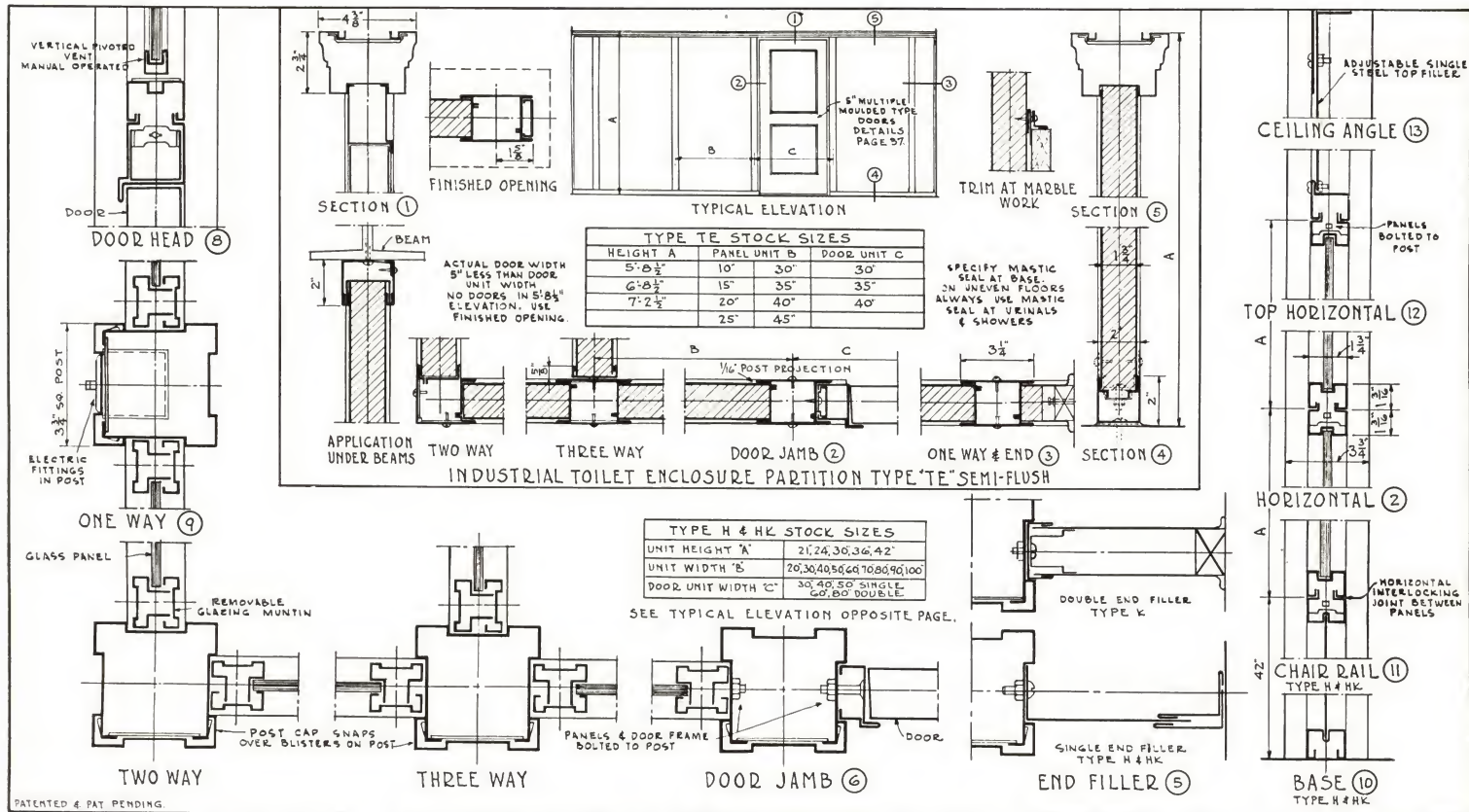
*Curtis Aeroplane Co.,
Buffalo, N. Y.*

Type HK 7'-3" cornice high in foreground. Type HK approx. 18'-0" to underside of truss in background with steel filler to underside of sloped roof.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

TYPES H-TE INDUSTRIAL

● rugged and economical

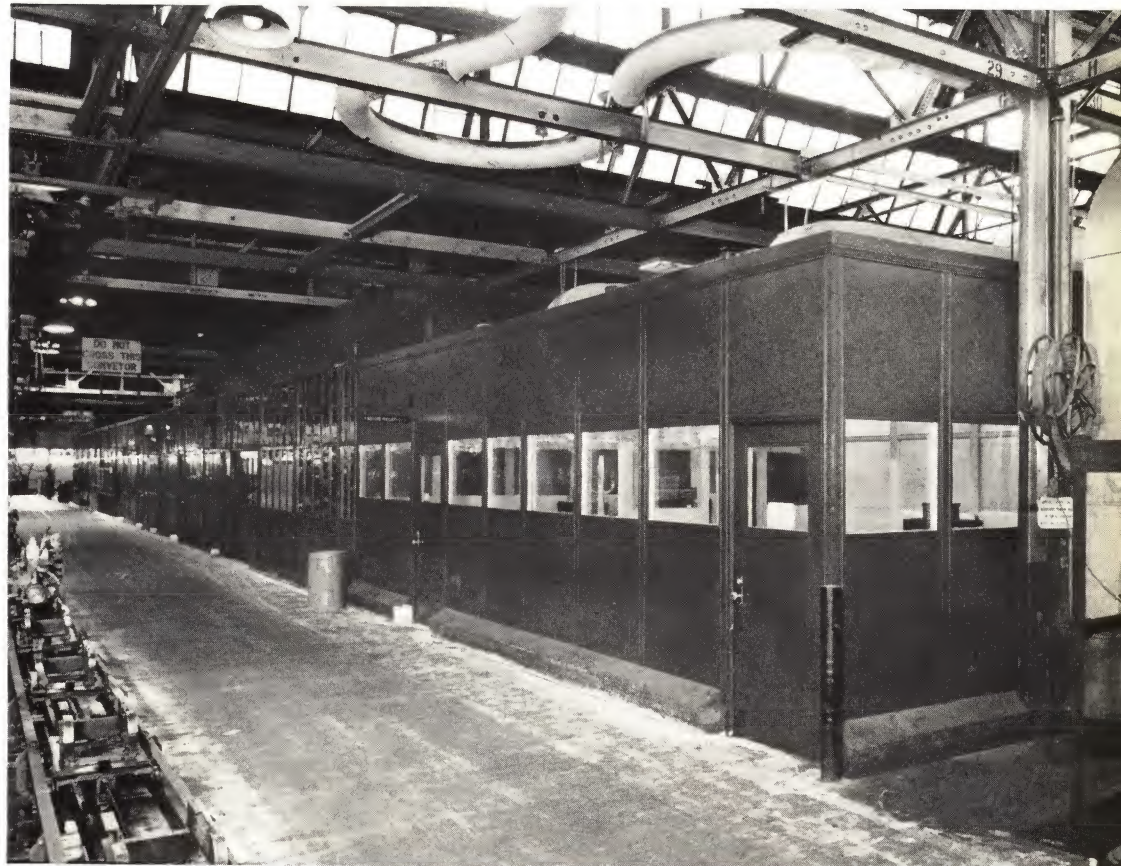


Type TE (details above) differs from all other types: as it is progressively erected from prefabricated panels and posts. It was designed primarily as an enclosure wall for industrial toilets and wash-rooms and is adaptable to mezzanines or restricted ceiling heights. It has 1 3/4" solid packed steel panels, with inorganic filler.

Panel units and door are not interchangeable without dismantling run, but partition is completely movable. The panel units are stocked in 5" multiples 10" to 45" in 5'-8 1/2", 6'-8 1/2", 7'-2 1/2" heights. Door units are stocked in 30", 35" and 40" widths. Top filler is not recommended because of ventilation, but mineral board or steel top filler is available if desired. The floating door frame has a steel strike. The base mould is set in mastic.

**Plymouth Division,
Chrysler Corp.,
Detroit, Mich.**

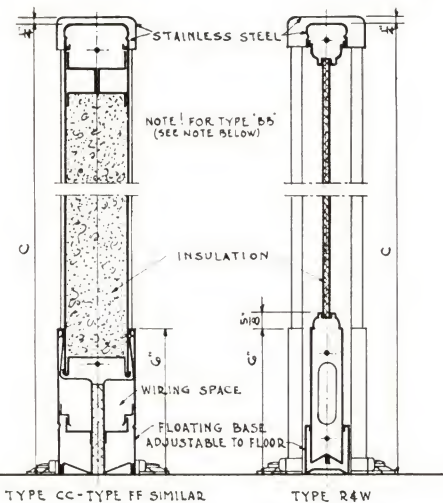
Type H with K cornice (in background) approx. 12'-6" high, glass to 10'-6". Employees conference room type CC soundproof and sound absorbing (in foreground).



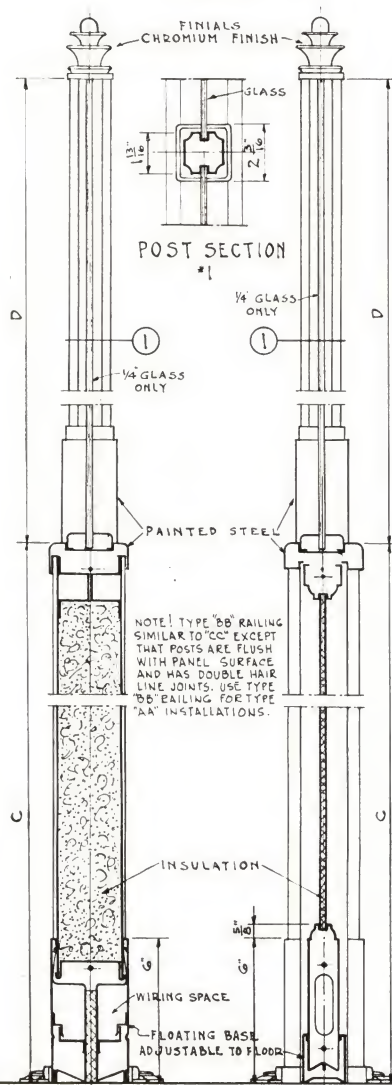
THIS CATALOGUE OVER 90% STOCK

MASTER RAILINGS

● flush, semi-flush and moulded types



VERTICAL SECTION
RAILING



VERTICAL SECTION
GLAZED RAILING

RAILINGS — Flush and moulded type low railing with sectional hand rails and post capitals are stocked in 36", 42", 54" heights. Glazed railing with continuous hand rail is stocked in a 42" height.

Handrails, Gate Crowns and Post Capitals are recommended only in stainless steel, satin finish (Tampico Brush) for the simple reason that this is the only material that does not need painting or maintenance polishing and consequently is the only finish that will not wear off or discolor from constant contact with the acids of the hand, the worst enemy of painted finishes.

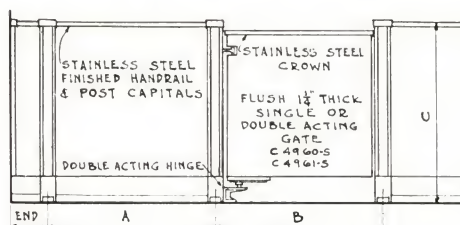
Bronze finish is stocked but not recommended because of tarnishing. Painted steel in black or to match railing color is stocked to meet any demand for a relatively small saving.

Posts of smart design and slender proportions are used for glazed railings and are painted

black, metallic or to match body of railing. Finials are stocked in chromium or bronze finish. Wickets or grilles to match may be installed in place of glass between posts. Railings are securely anchored to the floor and held rigid by substantial reinforcing posts through the verticals.

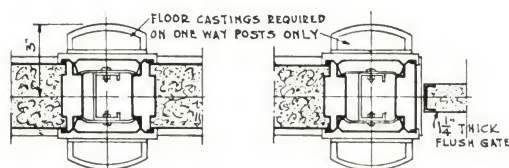
Low gates are stocked with Hauserman Self Centering, Double Acting Hinge or with Single Acting Checking Hinge. Wherever a secret gate latch or a lock is used on single acting gate... the gate should swing towards the inside. Single acting gates should always be provided with checking hinge and full height felt stops. Bottom hinge is regularly finished in plain color to match railing. All high gates are 1 1/4" thick and are furnished only with single acting checking hinge.

Low gates for all thick types are 1 1/4" thick. Low gates for all moulded types are 3/4" thick.

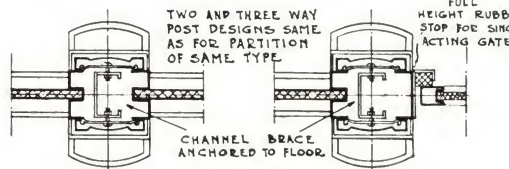


TYPICAL RAILING ELEVATION

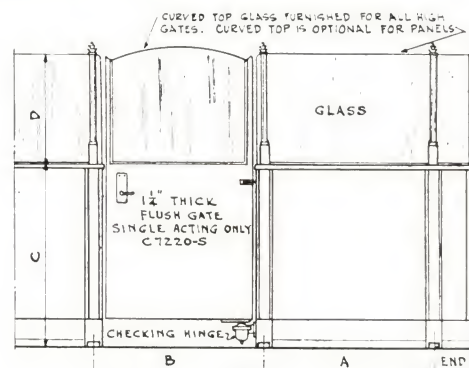
SCHEDULE OF STOCK SIZES					
ITEM	TYPE	A	B	C	D
RAILING	BB, CC	12" TO 60" 6" MULTIPLES	36"	36" 42" 54"	
"	FF	"	36"	"	
"	R-W	10" TO 60" 5" MULTIPLES	35"	36" 41" 54"	
"	WW	"	35"	"	
NOTE: ON 54" HIGH UNITS, 40" & 50" MAX. WIDTH ON 6" & 5" MULTIPLE UNITS.					
GLAZED RAILING	BB, CC	12" TO 60" 6" MULTIPLES	36"	42 1/2"	23 1/2"
"	FF	"	36"	42 1/2"	23 1/2"
"	R-W	10" TO 60" 5" MULTIPLES	35"	41 1/2"	23 1/2"
"	WW	"	35"	41 1/2"	23 1/2"
SCHEDULE OF CUT DOWN STOCK SIZES					
GLAZED RAILING		42 1/2" STEEL PANEL WITH 11 1/2" OR 17 1/2" GLASS			
"	"	54 1/2" " " " 11 1/2" OR 17 1/2" GLASS			
NOTE: USE TYPE CC(W) WITH TYPES CC, FF. USE TYPE BB(W) WITH TYPE AA, BB.					



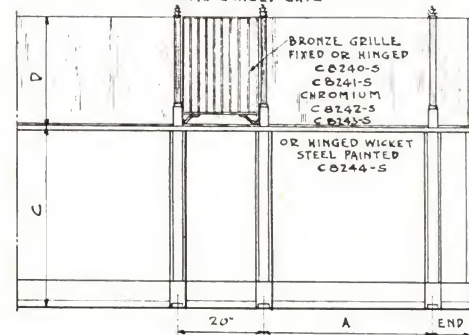
RAILING POST TYPE CC TYPE FF SIMILAR GATE POST



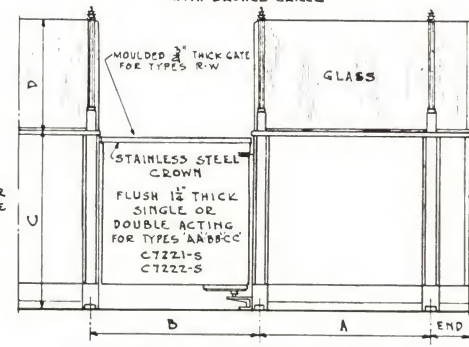
RAILING POST TYPE R&W GATE POST



GLAZED RAILING ELEVATION
WITH GLAZED GATE



GLAZED RAILING ELEVATION
WITH BRONZE GRILLE



GLAZED RAILING ELEVATION
WITH LOW GATE

SHIPPING CLASSIFICATION
SUFFIX S = IN STOCK. CS = CUTDOWN STOCK. NS = NO STOCK

PATENTED & PAT. PENDING.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

COUNTERS-DISPLAY CASES

● harmonizes with partition — completely movable

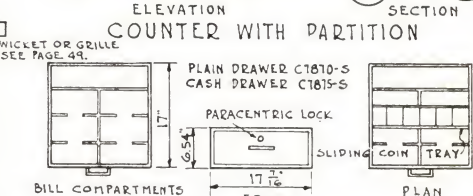
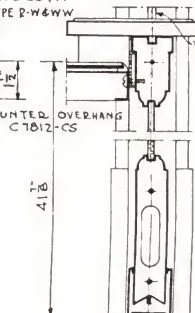
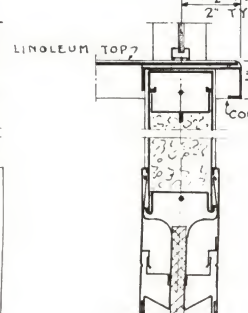
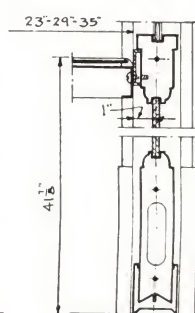
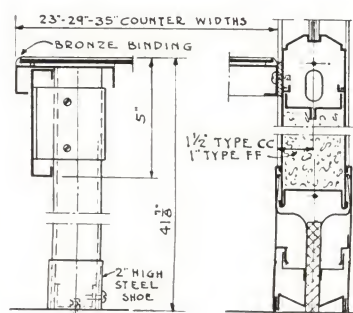
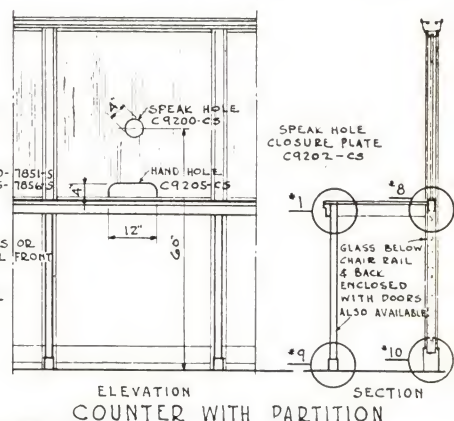
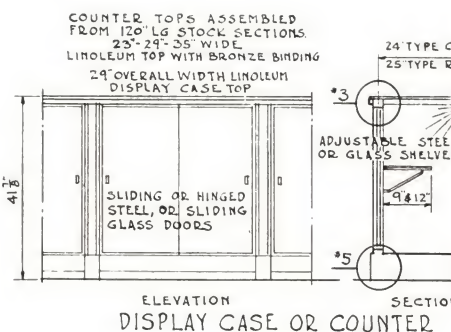
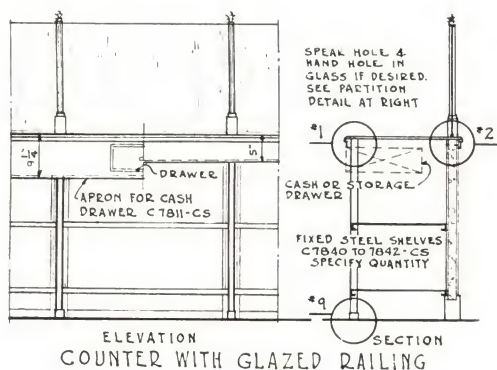
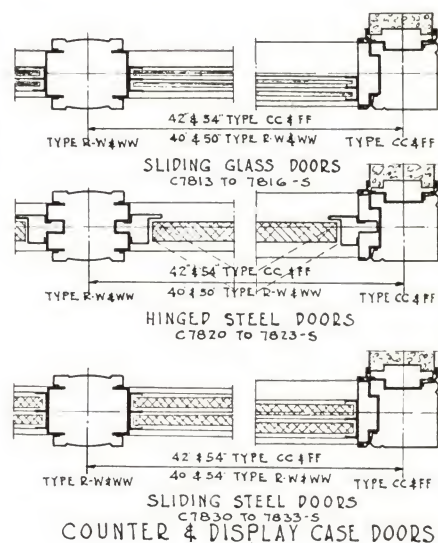
COUNTERS — Besides beauty, convenience and endurance these Hauserman Counters are both movable and salvable. They have the same interchangeable features as all Masterwalls. They will long outlive the most extended depreciation. Alterations and additions involving partitions and accessories can be quickly made. Counter tops can be cut or spliced. Balance of counter parts are in stock.

Hauserman Counters are designed to harmonize with partitions and railings. Counters may be open or closed back with sliding glass, sliding steel or hinged steel doors. Adjustable or fixed steel or glass shelves can be provided if desired. Counters are also furnished with glass front panel and lighting for use as display cases.

Important Note: The Hauserman Company is not interested in counter business except as an integral part of a partition installation. We are not manufacturers of stock furniture or case goods.

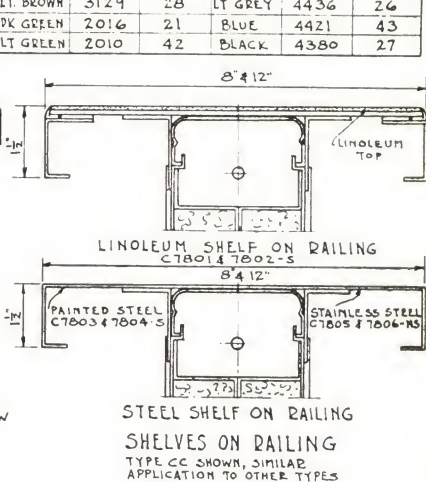
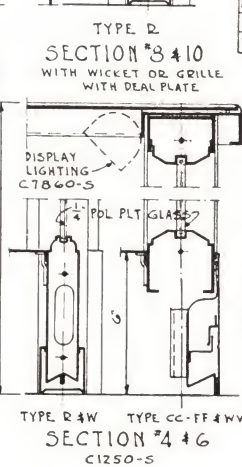
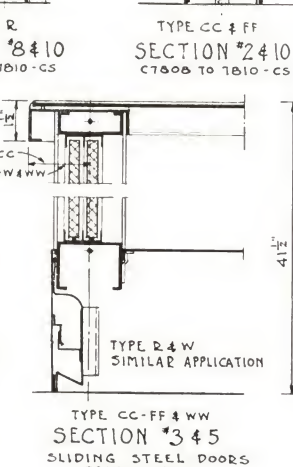
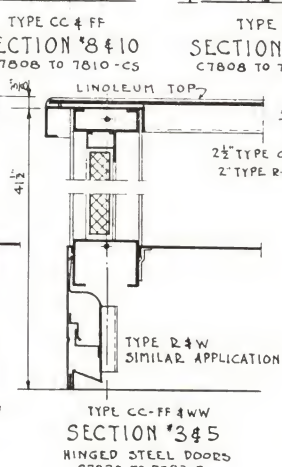
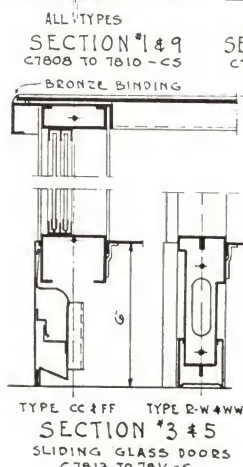
Space under the counters can be divided into sections by means of panels placed between the panel units. Stock cash drawers are equipped with bill compartments, sliding coin trays and paracentric locks only. Storage drawers are similar in construction but with compartments and trays omitted.

Stock sliding steel and hinged steel doors are provided with flat key locks only. Keys to counter doors and cash drawers are regularly furnished from stock and are keyed individually. If locks keyed alike are desired they must be so specified and additional delivery time allowed. See list of linoleum colors to harmonize with partition finishes below. No. 4416 Dark Brown and 2016 Dark Green are stock.



CASH OR STORAGE DRAWERS

LINOLEUM COLOR NUMBERS					
COLOR	E. F. H. CO	ARMSTRONG	COLOR	E. F. H. CO	ARMSTRONG
DK. BROWN	4416	20	DK GREY	4438	22
LT. BROWN	3129	28	LT GREY	4436	26
DK GREEN	2016	21	BLUE	4421	43
LT GREEN	2010	42	BLACK	4380	27



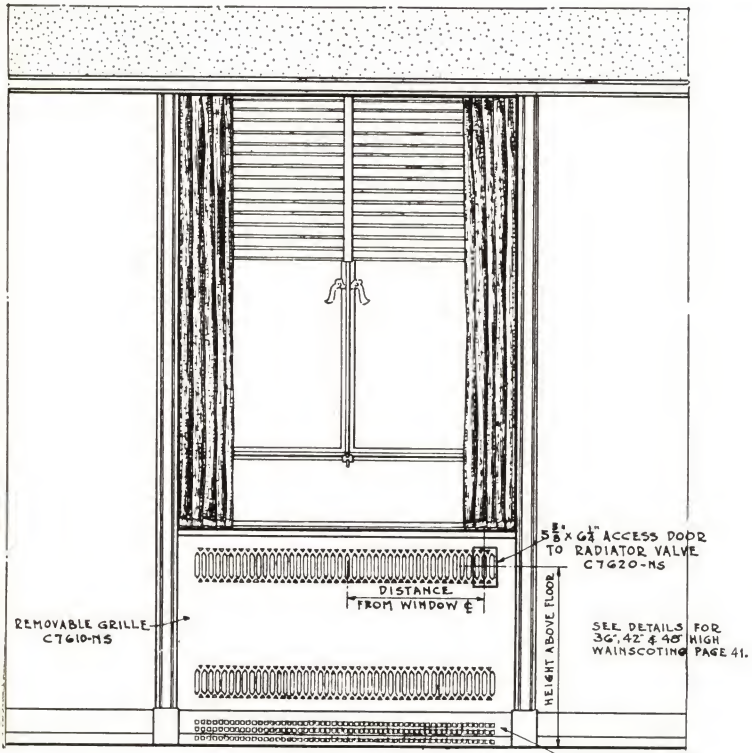
PATENTED & PAT. PENDING

SHIPPING CLASSIFICATION
SUFFIX S = IN STOCK CS = CUTDOWN STOCK NS = NO STOCK

THERE IS NO SUBSTITUTE FOR HAUSERMAN SERVICE

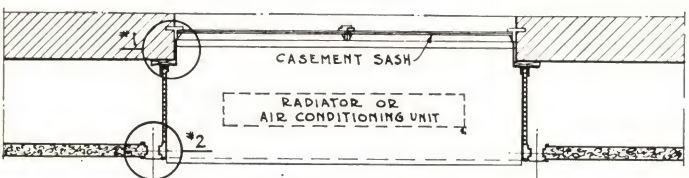
MASTERWALL WAINSCOTINGS

● make attractive interiors

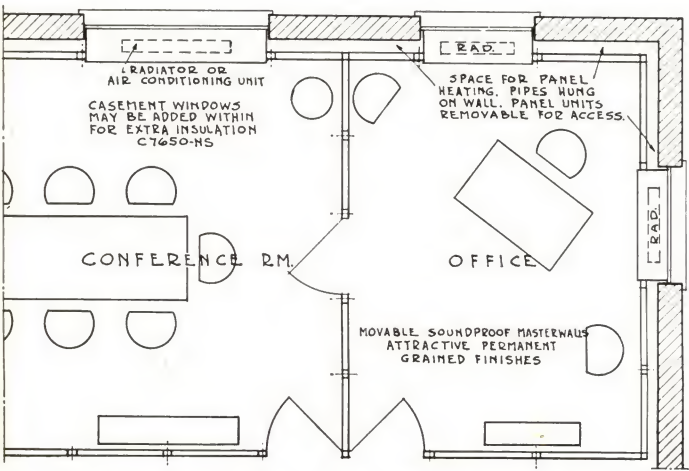


ELEVATION OF WINDOW EMBRASURE

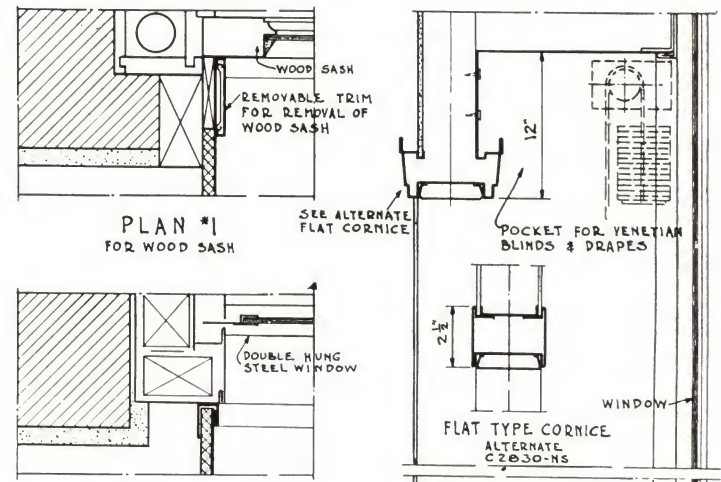
TYPE CC WAINSCOTING SHOWN
TYPE AA & BB SIMILAR EXCEPT
SINGLE LINE IN PLACE OF SEMI-
FLUSH POSTS
C7600-C5



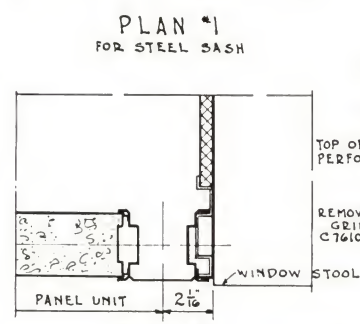
PLAN OF WINDOW EMBRASURE



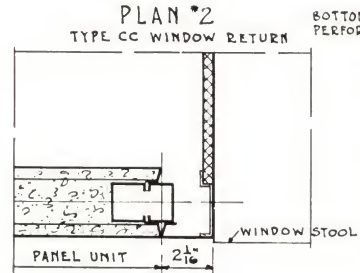
WAINSCOTED OFFICE & CONFERENCE ROOM



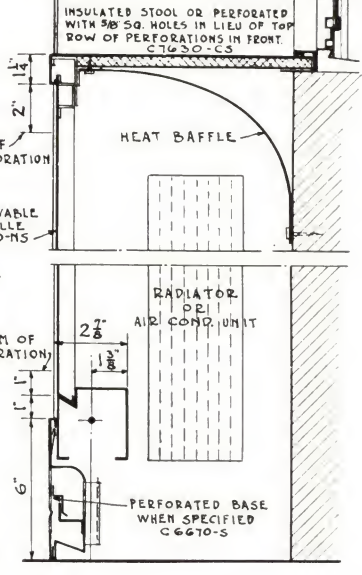
PLAN #1
FOR WOOD SASH



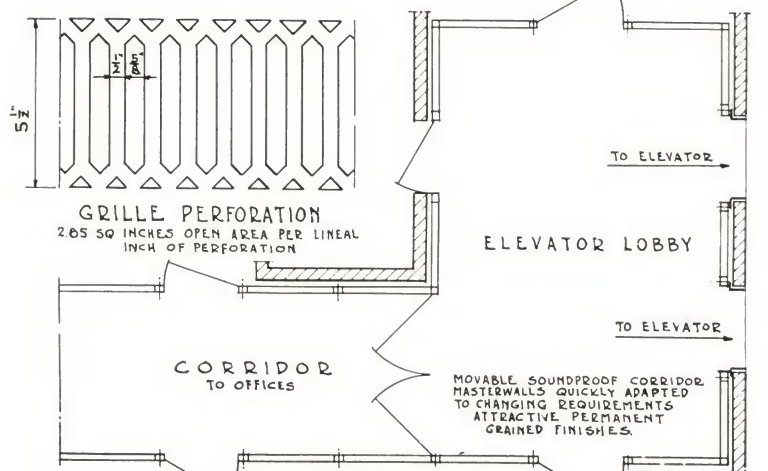
PLAN #1
FOR STEEL SASH



PLAN #2
TYPE AA WINDOW RETURN
TYPE DD SIMILAR



SECTION THRU
WINDOW EMBRASURE



WAINSCOTED LOBBY & CORRIDOR

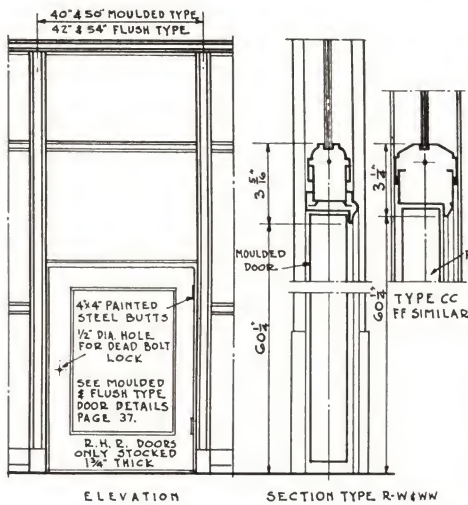
SHIPPING CLASSIFICATION
SUFFIX S=IN STOCK C5= CUTDOWN STOCK NS= NO STOCK

PATENTED & PAT. PENDING

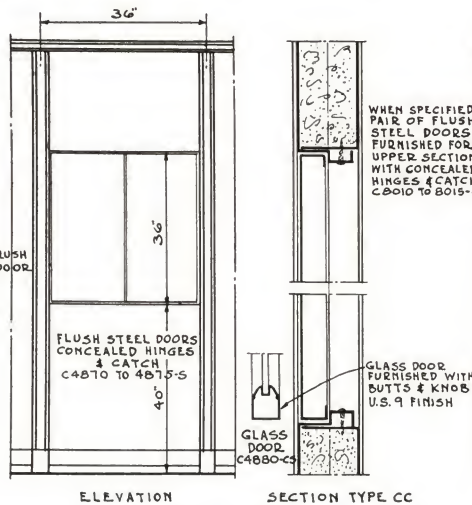
THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

DELUXE REFINEMENTS

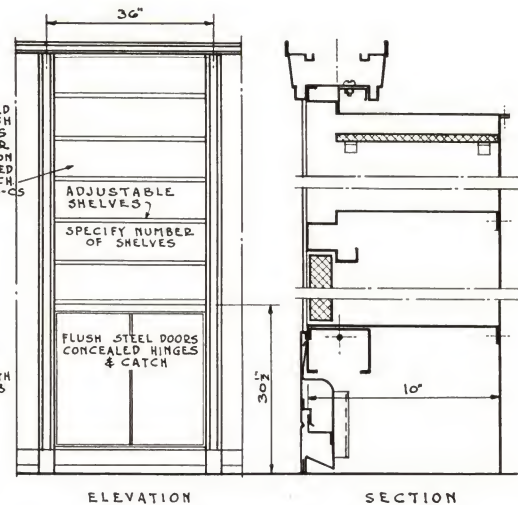
● bookcases, grilles, wickets, access doors



ELEVATION SECTION TYPE R-W-W-W
ACCESS DOORS
TO TELEPHONE SWITCHBOARD
C4850 TO 4859-S

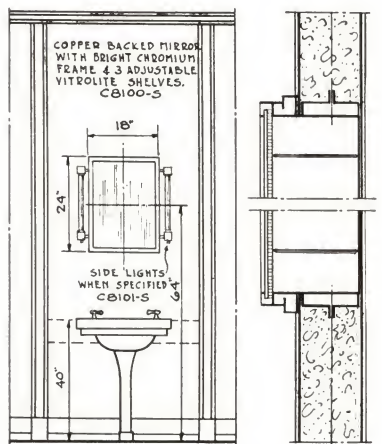


ELEVATION SECTION TYPE CC
ACCESS DOORS
TO FUSE & SWITCH BOX
FIRE HOSE ETC.

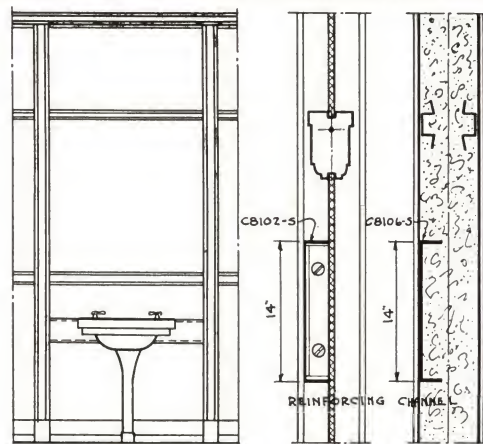


ELEVATION SECTION
BOOK CASE WITH CUPBOARD
TYPE CC
TYPE AA-BB-DD SIMILAR
WITH SINGLE LINE JOINT
IN PLACE OF PILASTER
C8000 TO 8005-CS

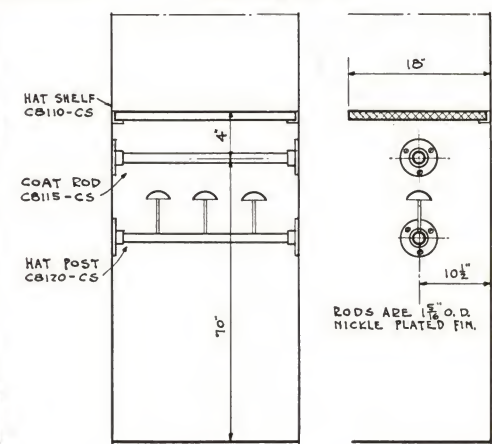
NOTE: THE USE OF REGULAR TYPE DOOR & UNIT IS AN ALTERNATE, PRACTICAL MEAT APPEARING ANSWER FOR CONCEALING SWITCHBOARDS, FUSE BOXES, SHELVING, FIRE HOSE.



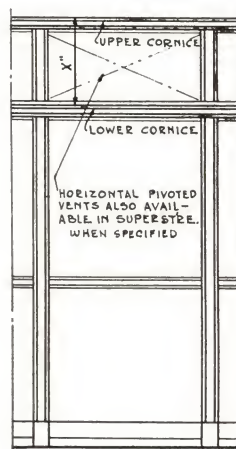
ELEVATION SECTION
PANEL WITH MEDICINE CABINET



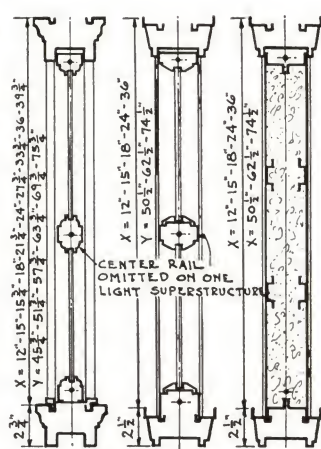
ELEVATION SECTION
PANEL REINFORCED FOR LAVATORY



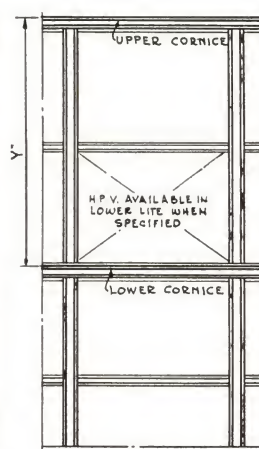
ELEVATION SECTION
COAT RODS & HAT SHELF



ELEVATION ONE LIGHT
SUPERSTRUCTURE



ELEVATION TWO LIGHT
SUPERSTRUCTURE



GRILLES & WICKETS

LEFT HAND SWING GRILLES & WICKETS SHOWN
ALSO AVAILABLE IN RIGHT HAND SWING

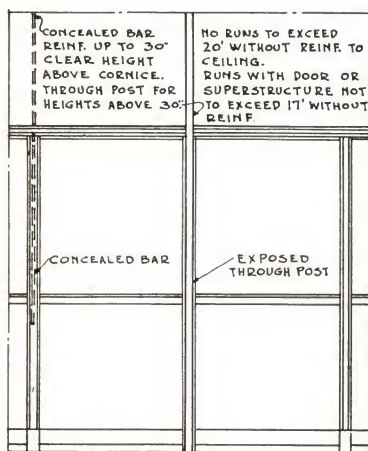
PATENTED & PAT. PENDING

SHIPPING CLASSIFICATION
SUFFIX S=IN STOCK CS=OUTDOWN STOCK NS=NO STOCK

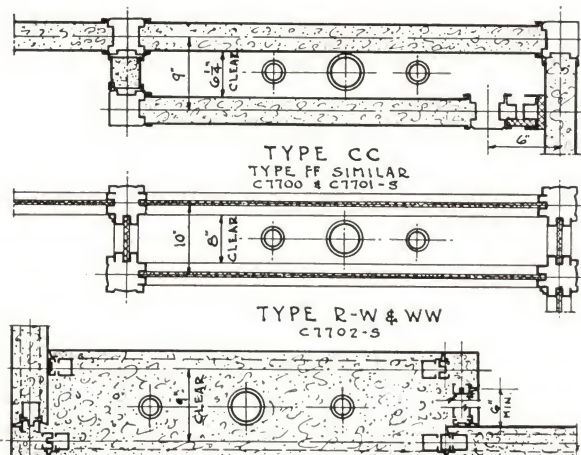
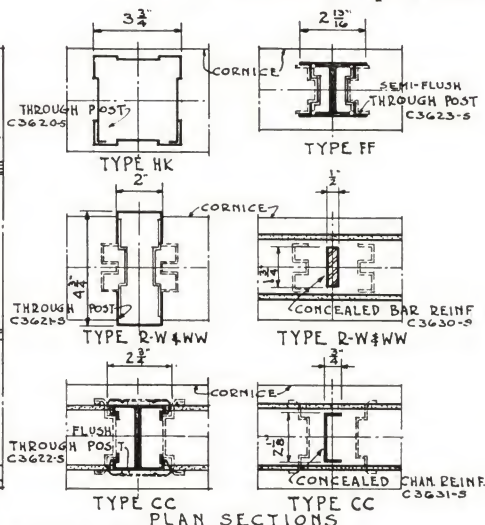
A MASTERWALL FOR EVERY PLACE AND PURPOSE

MASTERWALL PRACTICE

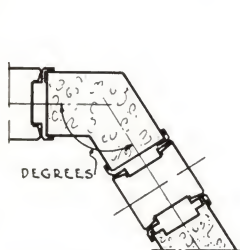
• meets all job conditions



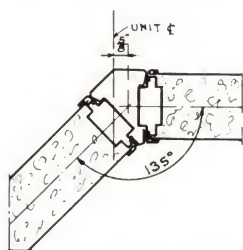
ELEVATION
THROUGH POST & BAR REINFORCEMENTS



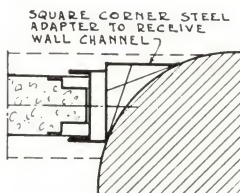
TYPE AA & DD
C7703 & C7704-S
PLUMBING ENCLOSURE PLANS
MINIMUM PANEL DEPTHS SHOWN
MAY BE INCREASED BY STANDARD
UNIT DIMENSIONS



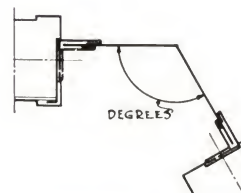
TWO WAY ANGULAR CORNER
TYPE CC & FF
C6800 & C6801-NS



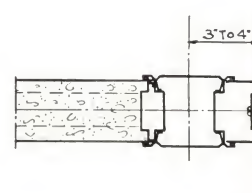
135° ANGULAR CORNER
TYPE CC
C6802-S



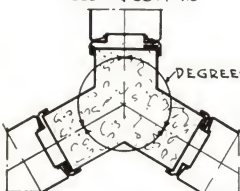
END FILLER AT ROUND COLUMN
TYPE CC & FF
C6810 & C6811-S



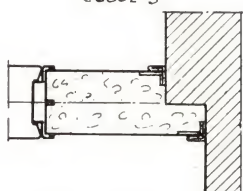
TWO WAY CORNER
TYPE HK
C6804-NS



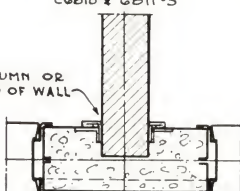
TIGHT END CONDITION
TYPE CC & FF
C6812 & C6813-S



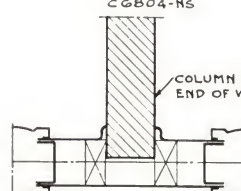
THREE WAY ANGULAR CORNER
TYPE CC & FF
C6820 & C6821-NS



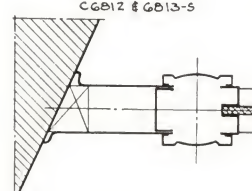
SPLIT END FILLER
TYPE CC & FF
C6814 & C6815-S



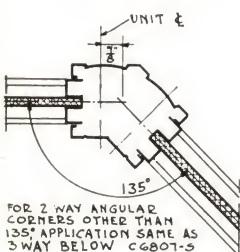
PANEL PAST COLUMN
TYPE CC & FF
C6830 & C6831-S



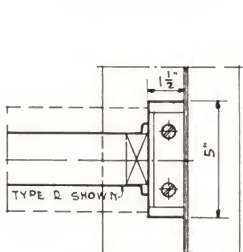
PANEL PAST COLUMN
TYPE R
C6833-S



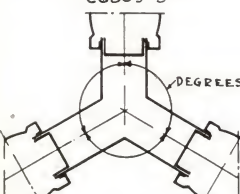
ANGULAR WALL END
TYPE R
C6816-S



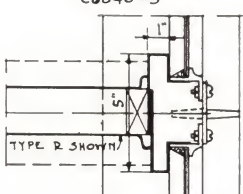
135° ANGULAR CORNER
TYPE R-W & WW
C6805-S



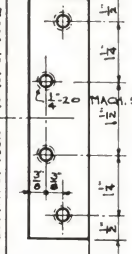
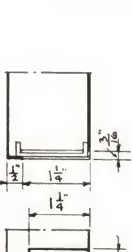
END AT WINDOW GLASS
ALL TYPES
C6840-S



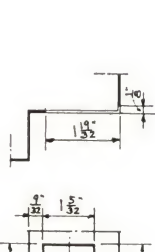
THREE WAY ANGULAR CORNER
TYPE R-W & WW
C6823 & C6824-NS



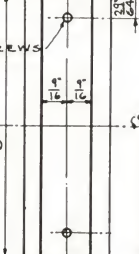
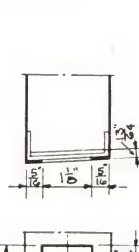
END AT WINDOW MULLION
ALL TYPES
C6845-S



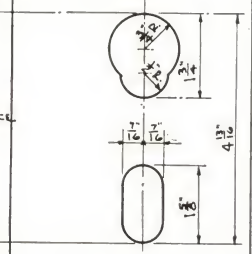
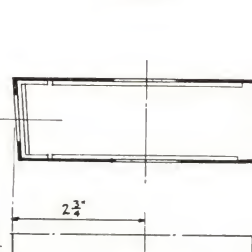
HINGE



KEEPER



LOCK FACE



LOCK MORTISE

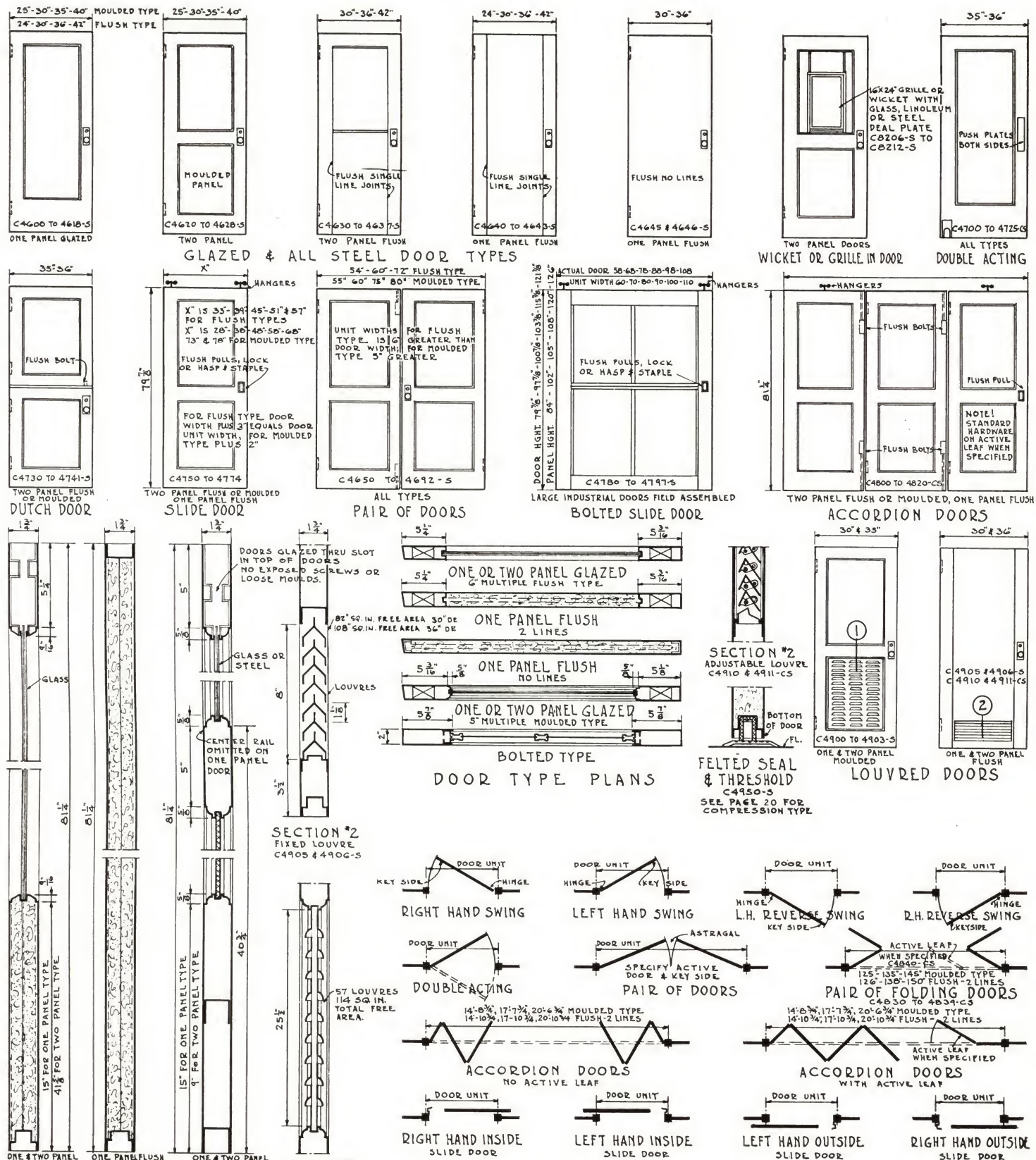
STOCK DOOR HARDWARE MORTISES

SHIPPING CLASSIFICATION
SUFFIX S=IN STOCK CS= CUTDOWN STOCK NS= NO STOCK

PATENTED & PAT PENDING

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

● flush, moulded, louvered, folding and slide



DOOR COMBINATIONS AND SWINGS

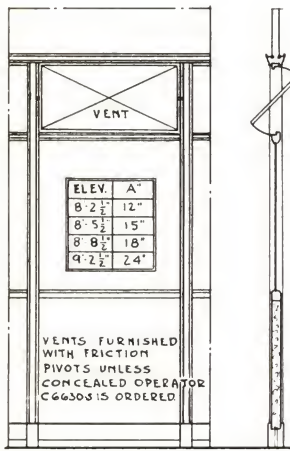
PATENTED & PAT PENDING

SHIPPING CLASSIFICATION
SUFFIX S = IN STOCK CS = CUTDOWN STOCK NS = NO STOCK

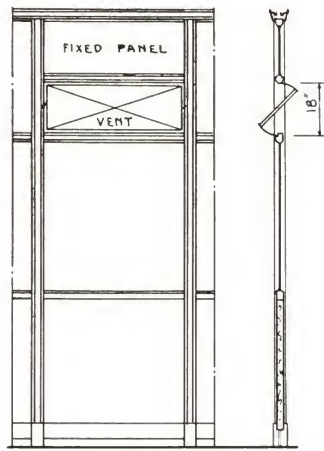
QUALITY, SPEED, SERVICE=HAUSERMAN

VENTILATION-SHELVING

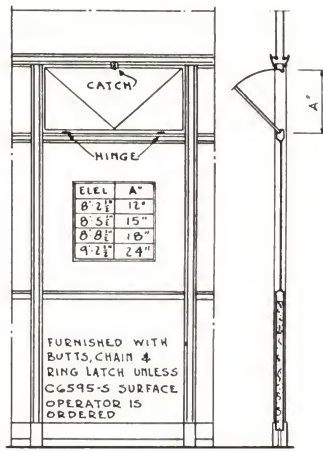
• vents, wire-mesh, grilles and louvers



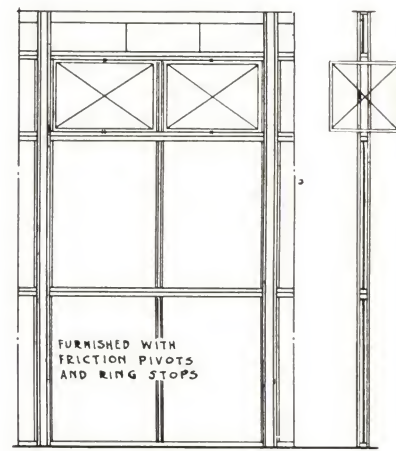
8'-2 1/2" TO 9'-2 1/2" ELEVATION
HORIZONTAL PIVOTED VENTS
ALL TYPES OF GLASS PANEL
EXCEPT H-K & HK
CG520 TO 6575-S



10'-2 1/2" ELEVATION
HORIZONTAL PIVOTED VENTS
ALL TYPES OF GLASS PANEL
EXCEPT H-K & HK
CG520 TO 6575-S

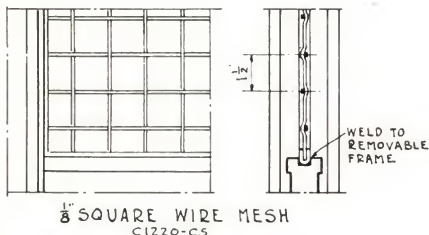


BOTTOM HINGED VENTS
ALL TYPES
CG580 TO 6590-NS

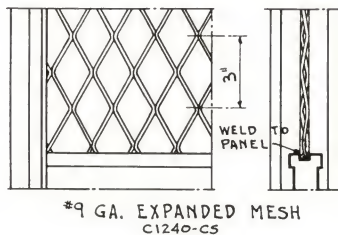


VERTICAL PIVOTED VENTS
TYPE H-K & HK ONLY
CG600 TO 6620-S

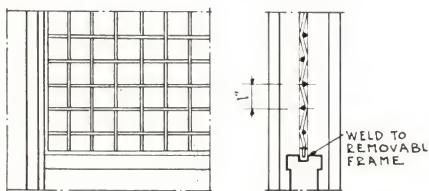
NOTE: IN STEEL PARTITION VENTS ARE STEEL GLAZED.



1/8" SQUARE WIRE MESH
C1220-CS

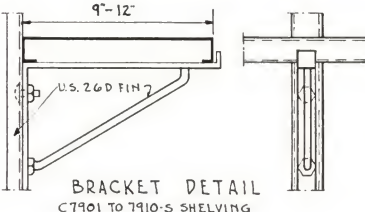


#9 GA. EXPANDED MESH
C1240-CS

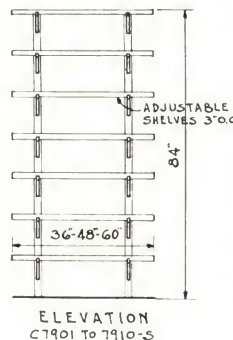


#10 GA. ROUND WIRE MESH
C1230-CS
WIRE MESH PANELS

REMOVABLE WIRE MESH PANELS INTERCHANGEABLE WITH STEEL OR GLASS PANELS. WHEN USED WITH GRAINED FINISHES MESH IS PAINTED FLAT COLOR TO MATCH



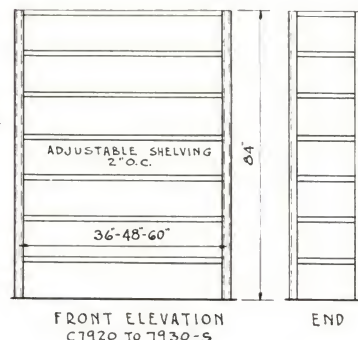
BRACKET DETAIL
C7901 TO 7910-S SHELVING



ELEVATION
C7901 TO 7910-S



PLAN



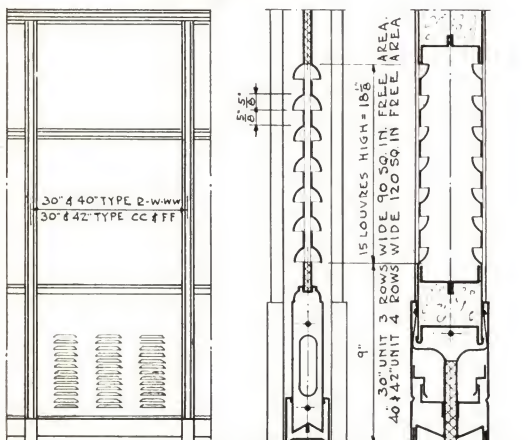
FRONT ELEVATION
C7920 TO 7930-S

END

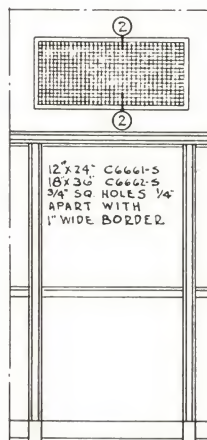


PLAN #1

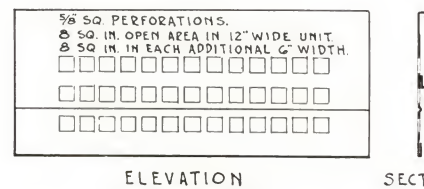
ADJUSTABLE STEEL SHELVING



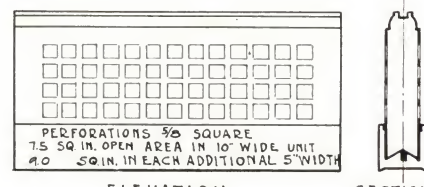
ELEVATION TYPE RAW TYPE CC-FF & WW
CG640 & 6641-S CG642 TO 6647-S
LOUVERED PANELS



ELEVATION SECTION #2
GRILLE IN TOP FILLER



ELEVATION
TYPE CC-FF & WW
CG670 & 6671-S



ELEVATION
TYPE R & W
CG675 & 6676-S
PERFORATED BASE

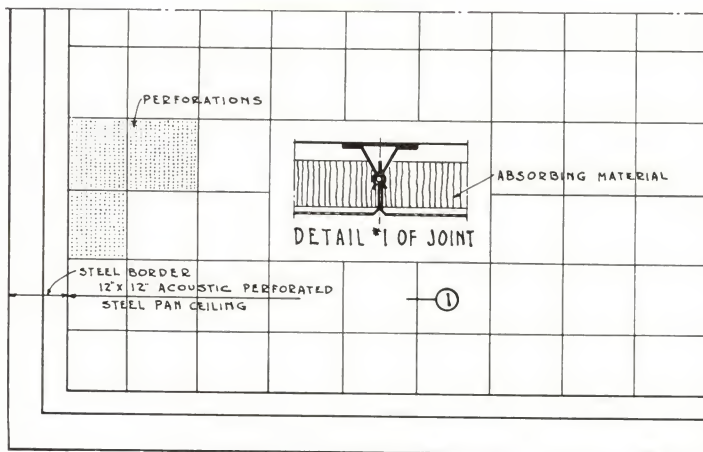
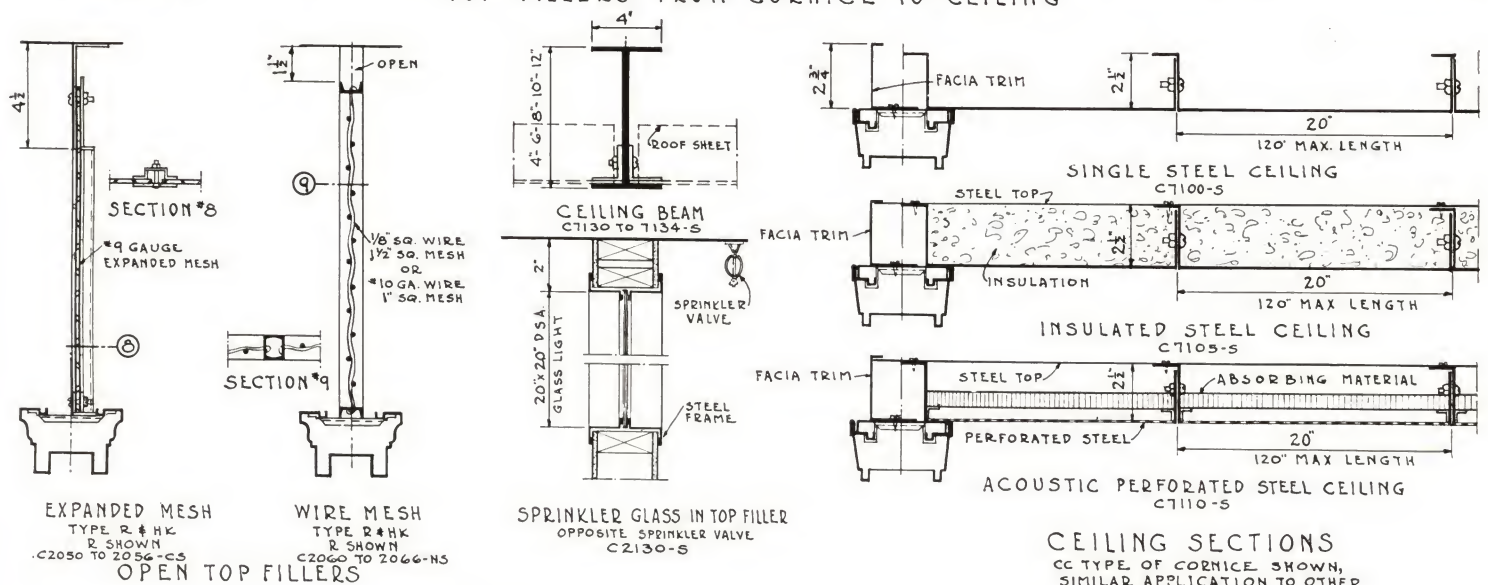
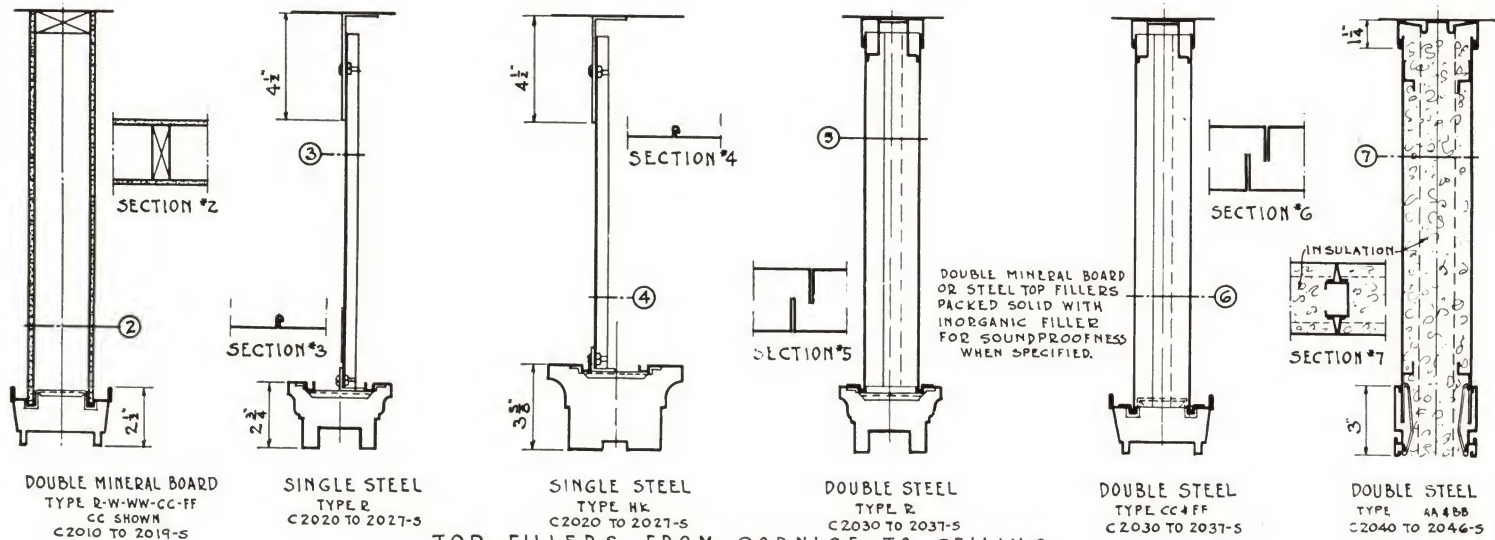
SHIPPING CLASSIFICATION
SUFFIX S=IN STOCK CS=CUTDOWN STOCK NS=NO STOCK

PATENTED & PAT PENDING

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

TOP FILLERS-CEILING

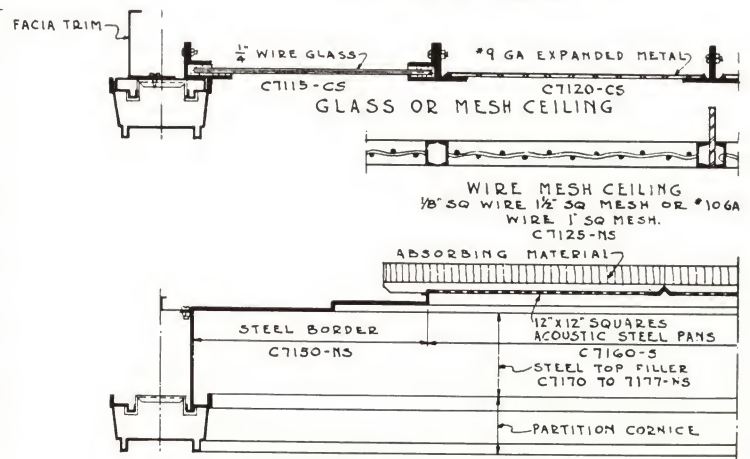
● **insulated-acoustic — steel and mesh**



PLAN OF ACOUSTIC STEEL PAN CEILING
WITH STEEL BORDER
67160-NS

PATENTED & PAT. PENDING

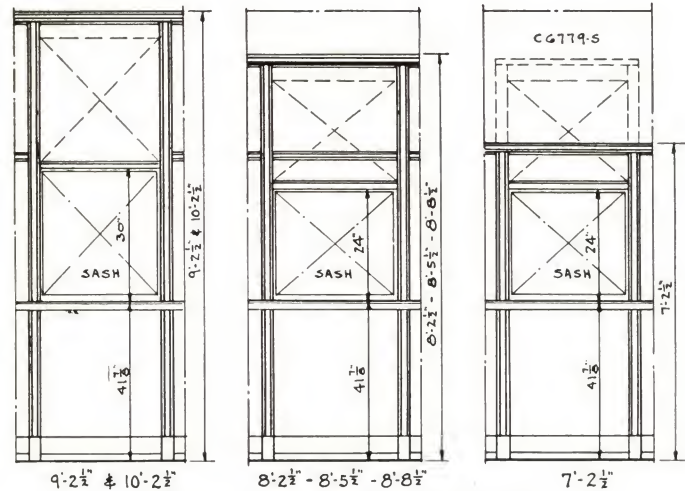
SHIPPING CLASSIFICATION
SUFFIX S = IN STOCK CS = CUTDOWN STOCK NS = NO STOCK



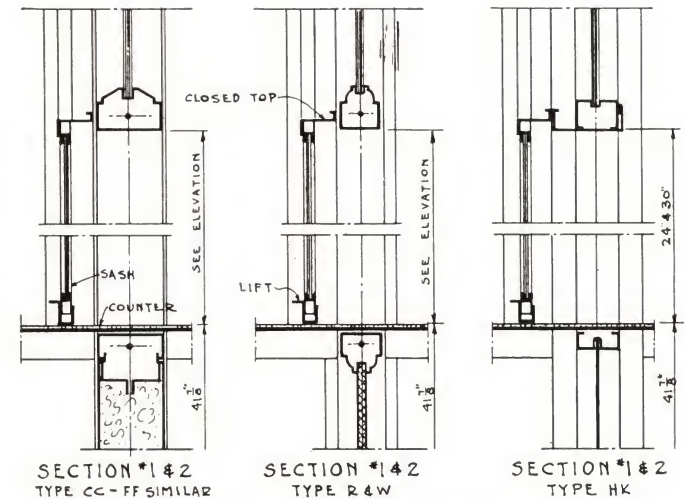
ACOUSTIC PAN CEILING WITH
STEEL BORDER & TOP FILLER
CEILING SECTIONS

SLIDEUP SASH-GRILLES

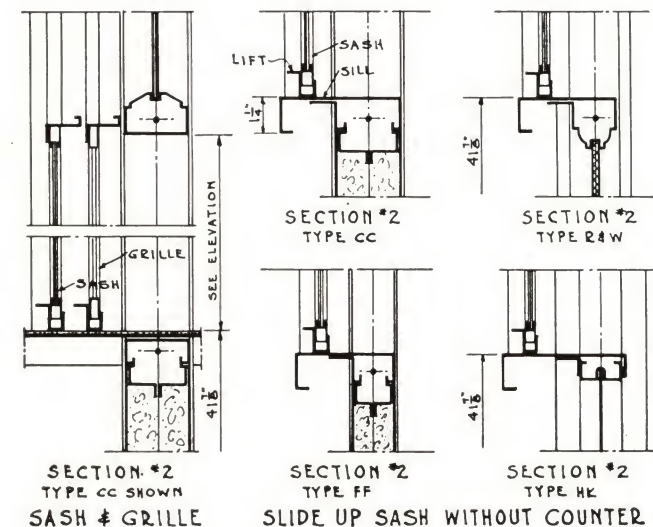
● for all types of partitions



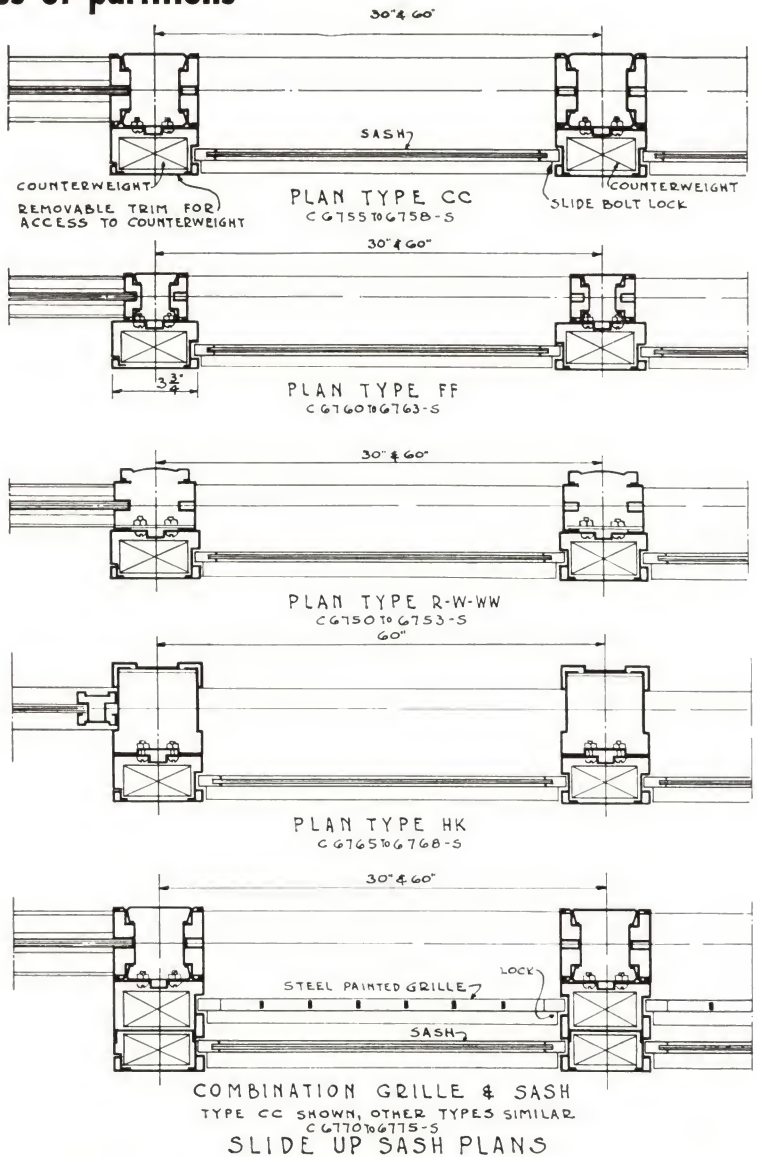
SLIDE UP SASH ELEVATIONS



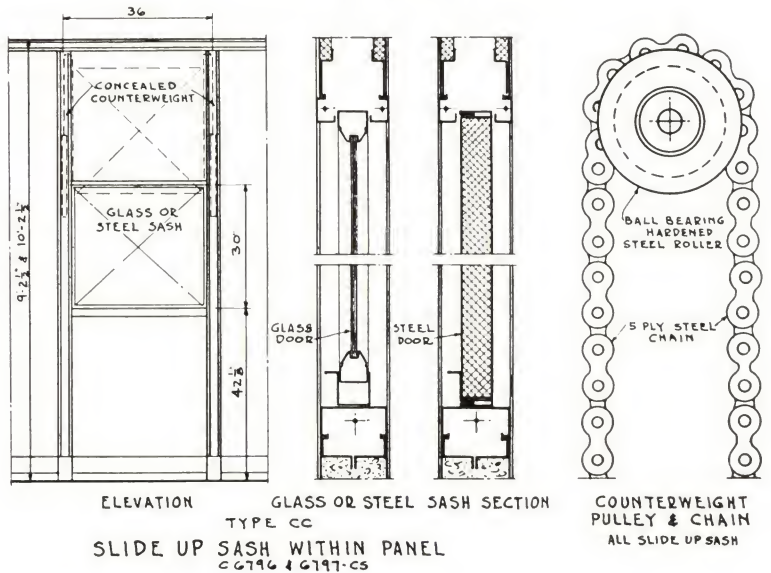
SLIDE UP SASH WITH COUNTER



SLIDE UP SASH WITHOUT COUNTER



SLIDE UP SASH PLANS



SLIDE UP SASH WITHIN PANEL

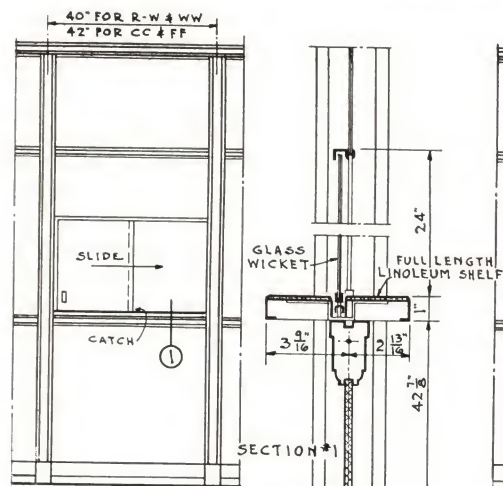
SHIPPING CLASSIFICATION
SUFFIX S=IN STOCK CS=CUTDOWN STOCK NS=NO STOCK

PATENTED & PAT PENDING

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

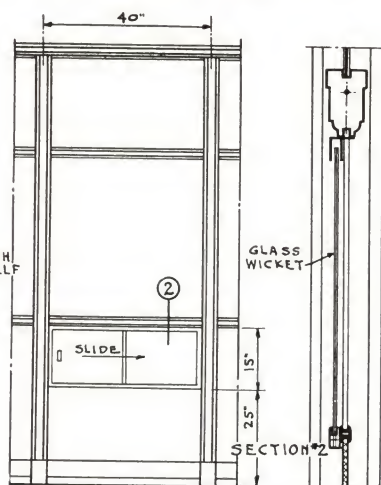
DELUXE UTILITIES

● slide wickets, partitions on curb, venetian panels



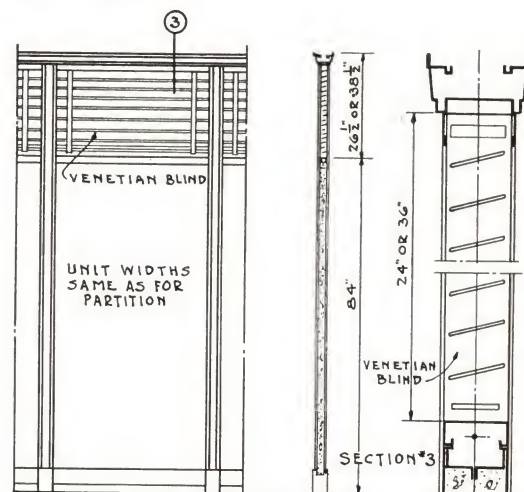
SLIDING GLASS WICKET

TYPE CC-FF-R-W-WW
ABOVE CHAIR RAIL
CG780 & CG781-S



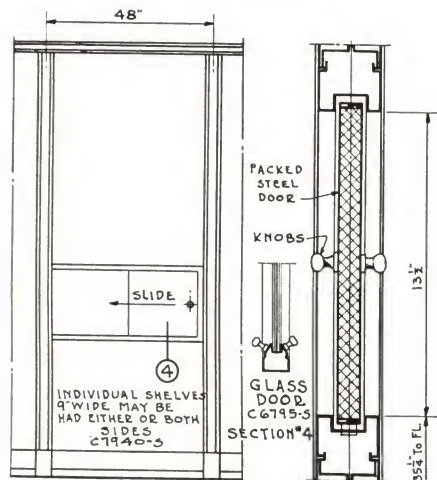
SLIDING GLASS WICKET

TYPE R-W
BELOW CHAIR RAIL
CG785-S



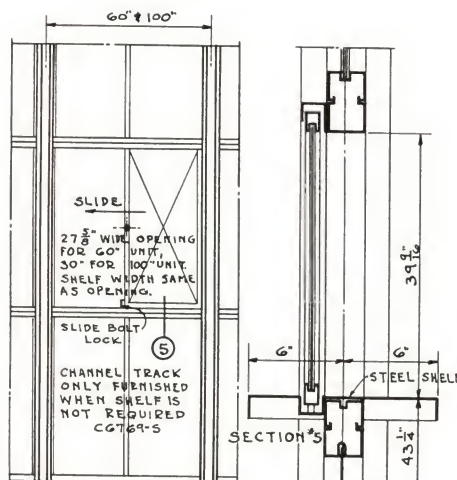
PARTITION WITH VENETIAN BLINDS

TYPE CC 9'-2 1/2" OR 10'-2 1/2" ELEVATION
CG680 & CG681-S



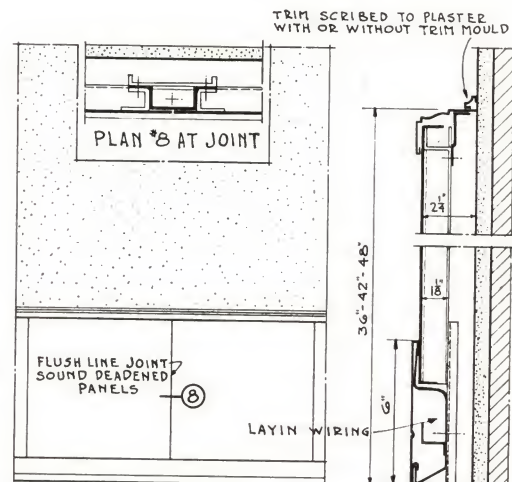
SLIDING STEEL WICKET

TYPE CC
CG790-S



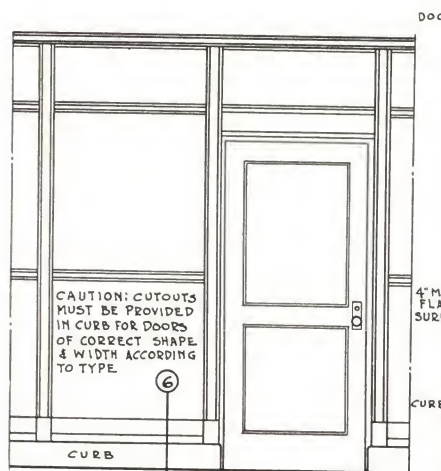
SLIDING GLASS OR STEEL WICKET

TYPE HK
CG782 & CG783-S



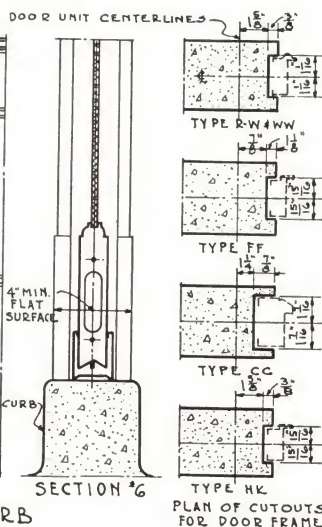
ELEVATION
LOW WAINSCOTING

UNIT WIDTHS 12'-24'-36'-42'-48"
CT450 TO T470-NS

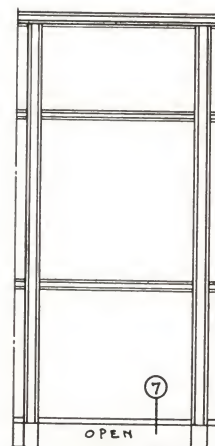


PARTITION ON CURB

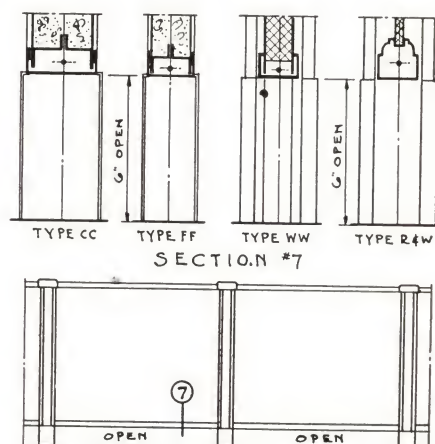
CG660 & CG661-S



PLAN OF CUTOUTS
FOR DOOR FRAME



OPEN BASE PARTITION & RAILING



RAILING

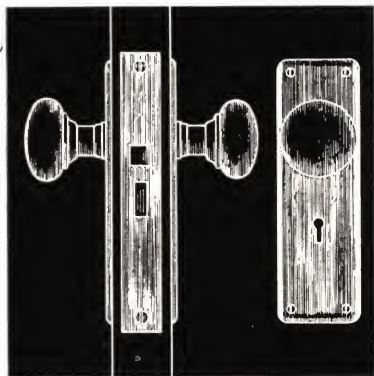
PATENTED & PAT. PENDING

SHIPPING CLASSIFICATION
SUFFIX S=IN STOCK CS=CUTDOWN STOCK NS=NO STOCK

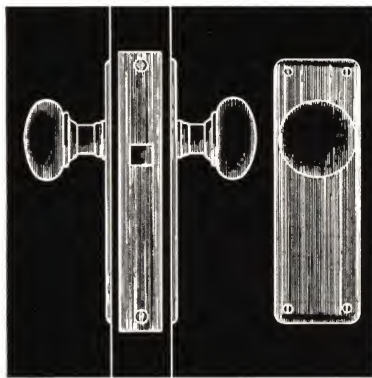
TIMES ARE CHANGING — MOVABILITY PAYS

MASTERWALL HARDWARE

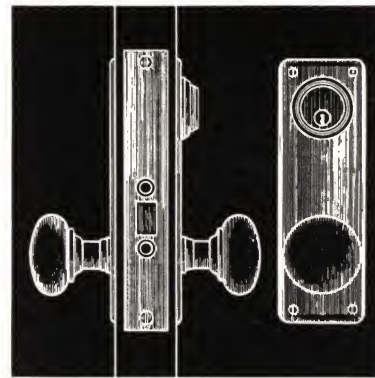
● cylinder, latch, and communicating hardware



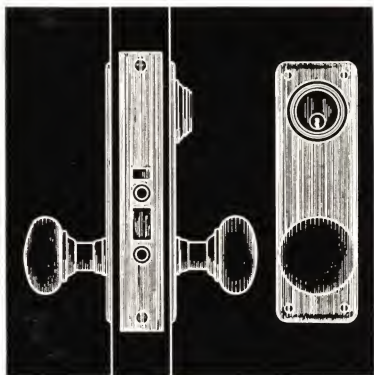
C6010-S — Bitt key lock set, latch operates from either side by knobs, dead bolt operated either side by bitt key, $2\frac{3}{4}$ " backset, $1\frac{1}{8}$ " x 8" lock face, $2\frac{1}{4}$ " x $7\frac{7}{8}$ " escutcheons, $2\frac{1}{4}$ " dia. round knobs, center of knobs $39\frac{5}{8}$ " above floor, wrought or cast bronze trim, U. S. 10 finish; wrought steel trim, U. S. 18 finish is stocked. Used on partition doors.



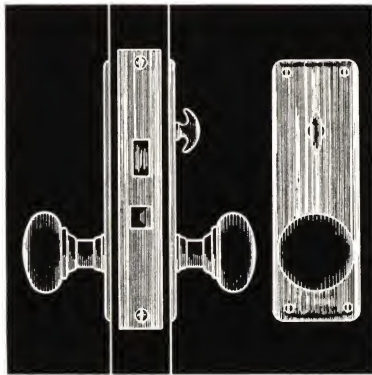
C6011-S — Latch set, operates from either side by knobs. It does not have a dead bolt. $2\frac{3}{4}$ " backset, $1\frac{1}{8}$ " x 8" lock face, $2\frac{1}{4}$ " x $7\frac{7}{8}$ " escutcheons, $2\frac{1}{4}$ " dia. round knobs, center of knobs $39\frac{5}{8}$ " above floor; wrought or cast bronze trim, U. S. 10 finish. and wrought steel trim, U. S. 18 finish is carried in stock. Used on partition doors.



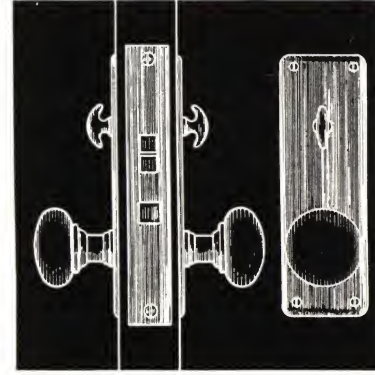
C6012-S — Cylinder lock set, latch operated inside by knob, outside by knob or cylinder. Buttons in lock face set operation from outside. $2\frac{3}{4}$ " backset, $1\frac{1}{8}$ " x 8" lock face, $2\frac{1}{4}$ " x $7\frac{7}{8}$ " escutcheons, $2\frac{1}{4}$ " dia. knobs, center $36\frac{1}{2}$ " above floor, wrought or cast bronze trim U. S. 10 finish; wrought steel trim, U. S. 18 finish, stocked. Individual keys, Hauserman or bldg. masterkey.



C6013-S — Pickproof cylinder lock set, operated inside by knob, outside by knob or cylinder. Buttons in lock face set operation from outside. $2\frac{3}{4}$ " backset, $1\frac{1}{8}$ " x 8" lock face, $2\frac{1}{4}$ " x $7\frac{7}{8}$ " escutcheons, $2\frac{1}{4}$ " dia. knobs, center $36\frac{1}{2}$ " to floor, wrought or cast bronze trim, U. S. 10 finish; wrought steel trim, U. S. 18 finish, stocked. Individual keys, Hauserman or bldg. masterkey.



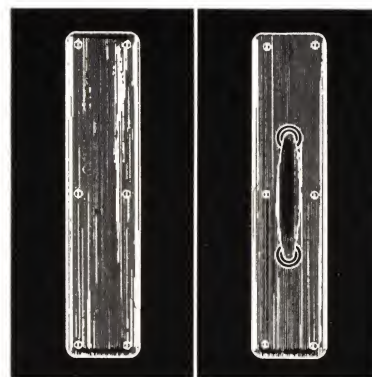
C6014-S — Single communicating lock set, operates from either side by knobs, thumbturn on inside operates the dead bolt. $2\frac{3}{4}$ " backset, $1\frac{1}{8}$ " x 8" lock face, $2\frac{1}{4}$ " x $7\frac{7}{8}$ " escutcheons, $2\frac{1}{4}$ " dia. round knobs, center of knobs $36\frac{1}{8}$ " above floor, wrought or cast bronze trim, U. S. 10 finish, and wrought steel trim, U. S. 18 finish, stocked. Used on partition doors.



C6015-S — Double communicating lock set, operates either side by knobs, thumbturn on both sides operates individual dead bolts, $2\frac{3}{4}$ " backset, $1\frac{1}{8}$ " x 8" lock face, $2\frac{1}{4}$ " x $7\frac{7}{8}$ " escutcheons, $2\frac{1}{4}$ " dia. round knobs, center of knobs $36\frac{1}{8}$ " above floor, wrought or cast bronze trim, U. S. 10 finish, and wrought steel trim, U. S. 18 finish, stocked.

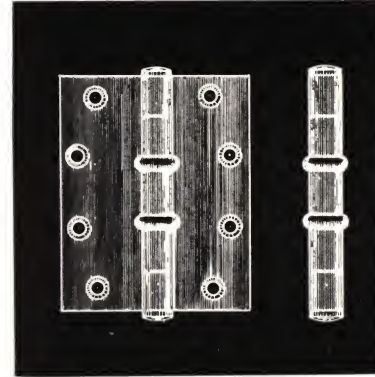


C6016-S — Mortise dead bolt lock, no knobs or latch, dead bolt operated outside by cylinder inside by thumb turn, $2\frac{3}{4}$ " backset, $1\frac{1}{8}$ " x 8" lock face, $2\frac{1}{4}$ " x $7\frac{7}{8}$ " escutcheons, wrought bronze trim, U. S. 10 finish; wrought steel trim, U. S. 18 finish, stocked. Individual keys, Hauserman or bldg. masterkey system.



C6017-S — Push plate at left, $3\frac{1}{8}$ " x $14\frac{1}{2}$ ", center located 47" above floor, wrought or cast bronze C-6250 trim, U. S. 10 finish; wrought steel, U. S. 18 finish, stocked

C6018-S — Pull plate at right $3\frac{1}{8}$ " x $14\frac{1}{2}$ ", center located 43" above floor, wrought or cast bronze C-6251 trim, U. S. 10 finish; wrought steel trim, U. S. 18 finish stocked.



C6019-S — Butts are 5" x 4" size and are of wrought steel hardened $\frac{3}{8}$ " thick. They have ball bearing washers for easy, noiseless operation and long life. They are carried in stock in U. S. 10 and U. S. 18 finish. See page No. 36 for dimensional template.

SHIPPING CLASSIFICATION — Suffix (s) = in stock; (cs) = cut down stock. (ns) = no stock

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

SLIDE DOOR HARDWARE

● pulls, locks, and hangers



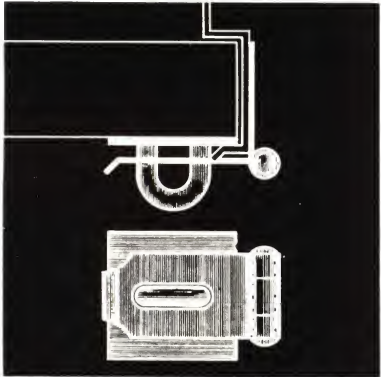
C6020-S—Cylinder lock set for slide door, latch operated inside by lever handle, outside by cylinder, hooked latch engages with cast bronze keeper. $2\frac{3}{4}$ " backset, $1\frac{1}{8}$ " x $7\frac{1}{4}$ " lock face, $1\frac{1}{8}$ " x $6\frac{1}{4}$ " recessed wrought bronze escutcheons. U. S. 10 and U. S. 18 finish stocked.



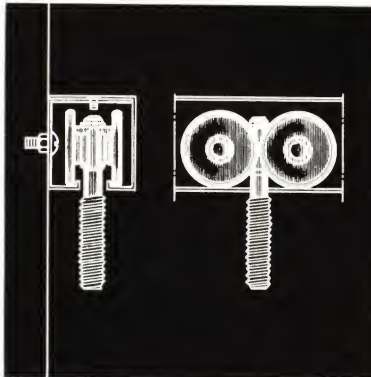
C6021-S—Latch set for slide door, latch is operated from either side by lever handles. The latch engages with the cast bronze keeper. It has a $2\frac{3}{4}$ " backset, $1\frac{1}{8}$ " x $7\frac{1}{4}$ " lock face, $1\frac{1}{8}$ " x $6\frac{1}{4}$ " recessed wrought bronze escutcheons. U. S. 10 and U. S. 18 finish is carried in stock.



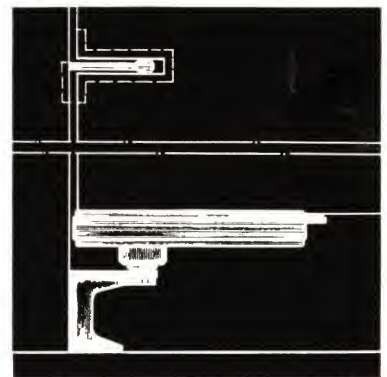
C6023-S—Flush door pull, cast bronze U. S. 10 finish or C6022-S cast iron U. S. 18 finish stocked. 3 " x $4\frac{1}{2}$ " x $\frac{3}{4}$ " deep, used on slide doors or accoridian doors when latch or lock is not specified



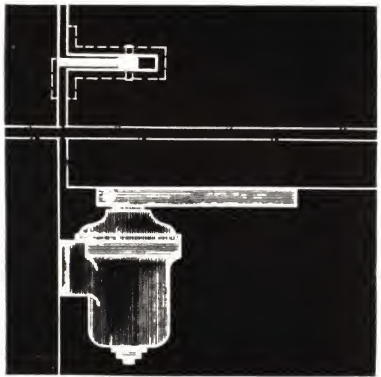
C6024-S—Hasp and staple, furnished on slide doors when specified. The padlock is not included. The hasp and staple are made of extra heavy wrought steel, the hasp being $1\frac{1}{4}$ " wide. They are carried in stock and have a painted finish.



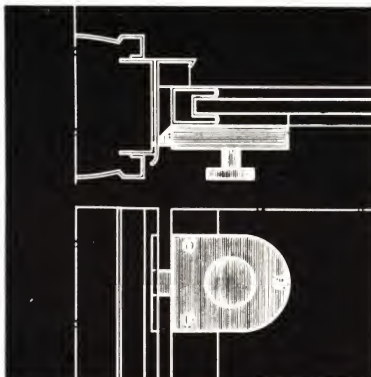
C6026-S—Hanger for slide doors has 2 " diameter ball bearing steel rollers and is adjustable in height, 2 rollers are furnished on doors up to 8 feet wide. 3 rollers are used on all slide doors over 8 feet wide. Hangers and track are carried in stock.



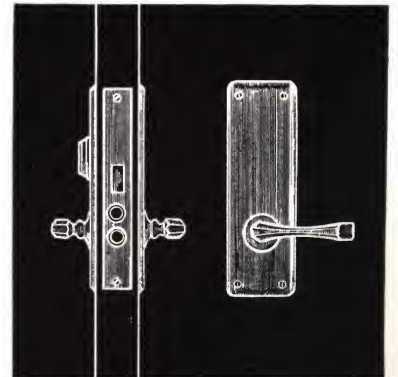
C6030-S—Gate hinge is double acting and self centering. It is ball bearing and has a steel die cast case, malleable iron bracket. Top pivot and bottom hinge painted flat color to match railing. It is carried in stock and used on low double swing railing gates.



C6031-S—Gate hinge is single acting, checking, ball bearing, with cast iron case sanded. Top pivot and bottom hinge painted flat color to match railing. It is carried in stock and used on high gates regularly, on low gates when specified single acting.



C6035-S—Gate latch is of the secret type and has a fixed knob. The latch is operated by pressing button on underside of case. Overall size is 2 " x $2\frac{3}{8}$ " x $\frac{3}{4}$ ". It is carried in stock in U. S. 10 and U. S. 18 finish. Used on low gates when specified.

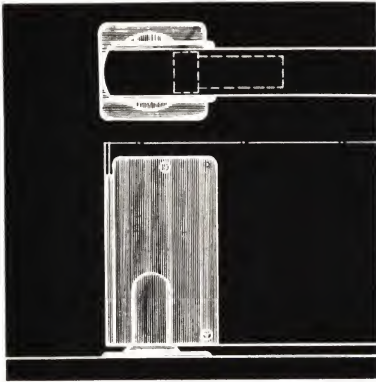


C6034-S—Gate lock set operated inside by lever handle, outside by lever handle or cylinder. Buttons in lock face set operation from outside. $2\frac{3}{8}$ " backset $\frac{7}{8}$ " x $5\frac{1}{2}$ " lock face, 2 " x 6 " escutcheons. Cast bronze trim U. S. 10 finish. Cast iron trim U. S. 18 finish stocked. Individual keys, Hauserman or building masterkey system.

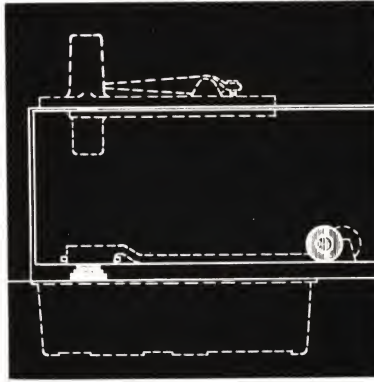
SHIPPING CLASSIFICATION — Suffix (s) = stock; (cs) = cut down stock; (ns) = no stock.

HARDWARE DETAILS

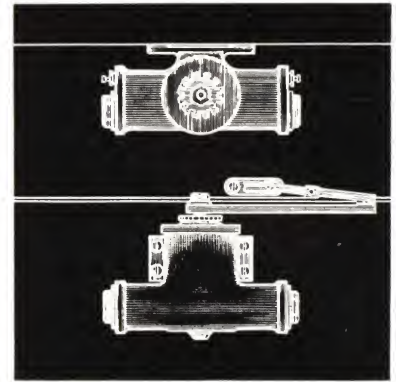
● stops, checks, and catches



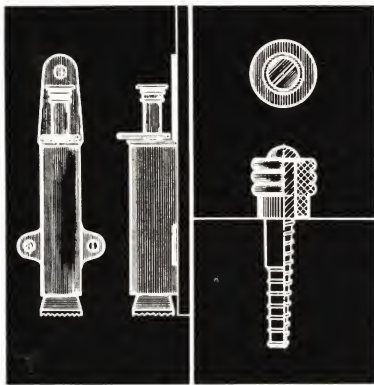
C6037-S — Double acting hinge, permits doors to swing both ways. It is ball bearing, with tension adjustment and has steel planished trim, floor plate and top pivot. U. S. 10 and U. S. 18 finish carried in stock. Used on partition doors.



C6038-S — Double acting checking floor hinge, case recessed in floor, $3\frac{1}{8}$ " for medium size, $3\frac{3}{8}$ " for large size, Bronze floor plate. Use with threshold requires special non-stock threshold. Medium size used on doors up to 36" wide, large size over 36" wide, medium size remains open at 90°. Use permitting C-6037-S hinge is recommended.

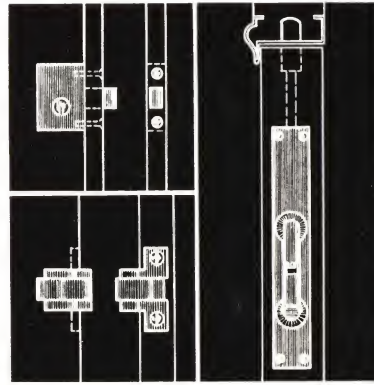


C6039-S — Door check, cast iron case, gold bronze and black finish stocked, holder arm for holding door in open position furnished when specified. Use size B on doors up to 30" wide, size C on doors 36" to 42", size D on doors over 42" wide.



C6045-S — Door holder (left), cast bronze or iron case foot operation, rubber floor grip. U. S. 10 and U. S. 18 fin. stocked.

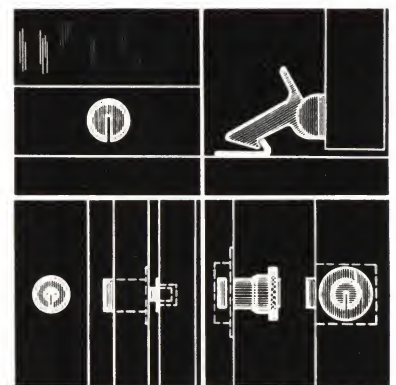
C6046-S — Door stop (right), rubber bumper, $1\frac{3}{8}$ " diameter, $1\frac{1}{4}$ " high, metal collar U. S. 10 and U. S. 18 fin. stocked. Specify type floor.



C6050-S — Grille lock (top left), bronze case, individual keying, used on stock hinged grilles.

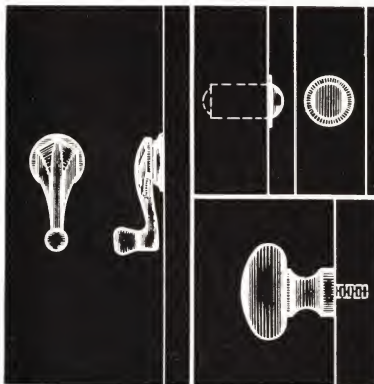
C6051-S — Wicket catch, bottom left, mortise type, U. S. 10 fin. used on stock hinged wickets.

C6055-S — Flush bolts (right), cast bronze face $1" \times 6\frac{3}{4}"$, used on partition doors.



C6060-S — Flat key lock (top left), for sliding glass doors. **C6061-S** — Flat key lock (bottom left), for sliding steel doors, $\frac{1}{2}"$ dia. cylinder.

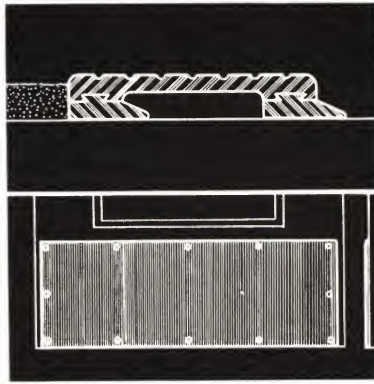
C6062-S — Door lock (bottom right), latch locked by flat key in $1\frac{1}{2}"$ dia. knob, for hinged steel cabinet doors. U. S. 10 finish. **C6063-S** — Door catch (top right), for inactive hinged steel cabinet doors.



C6065-S — Transom operator handle (left), for concealed transoms, U. S. 10 and U. S. 18 fin. stocked.

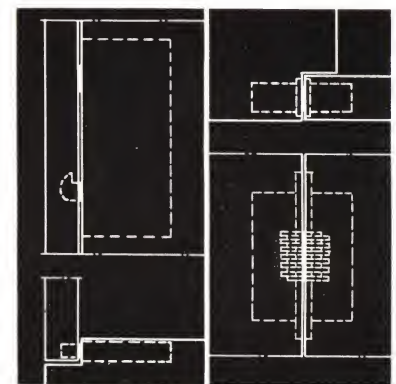
C6068-S — Knob (bottom right), $1"$ diameter, wrought bronze U. S. 10 and U. S. 18 fin. stocked. For hinged or sliding steel cabinet or wicket doors.

C6067-S — Bullet catch (top right), $\frac{1}{2}"$ diameter, spring operation, for hinged steel cabinet doors.



C6070-S — Threshold (top), extruded bronze $\frac{3}{8}"$ high, $3\frac{1}{2}"$ wide, $\frac{1}{4}"$ high adapters when specified for special conditions such as rugs, linoleum, etc.

C6076-S — Kick plates (bottom), specify one or both sides, No. 14 gauge, 9" high, bronze or stainless steel brushed finish.



C6081-S — Concealed latch (left), used as invisible latch on hinged steel cabinet doors. Latch engages door when closed, exerting pressure on door, releases door. Door thrust open by trigger arrangement.

C6085-S — Concealed hinge (right), ply leaf hinges, invisible, for hinged steel cabinet doors.

SHIPPING CLASSIFICATION — Suffix (s) = stock; CS = cut down stock. (ns) = no stock.

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

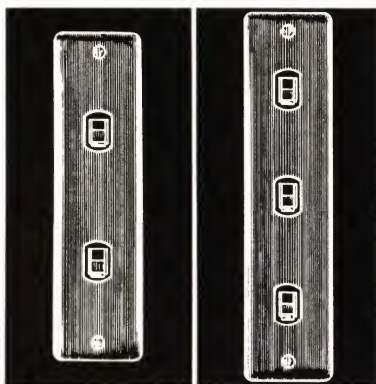
ELECTRICAL ACCESSORIES

● switches, receptacles, push buttons



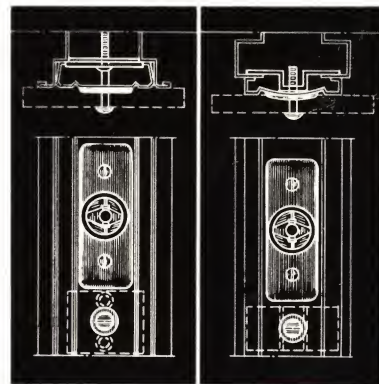
C7000-S—Duplex receptacle, (left), $1\frac{3}{4}$ " x $4\frac{1}{8}$ " x $\frac{1}{8}$ " plate, 15 amp. 125v.; 10 amp. 250 v., U. S. 10 and U. S. 18 finish. Fits all types, except FF posts.

C7001-S—Duplex receptacle, (right), $1\frac{1}{2}$ " x $4\frac{1}{8}$ " x $\frac{1}{8}$ " plate, 15 amp. 125 v.; 10 amp. 250 v. Fits all types. Fittings interchangeable in flush plates. U. S. 10 and U. S. 18 finish.



C7005-S—Two toggle switch, (left), vertical gang, $1\frac{1}{2}$ " x $7\frac{1}{8}$ " x $\frac{1}{8}$ " flush plate, 10 amp. 125 v. 5 amp. 250 v., U. S. 10 and U. S. 18 fin. For FF posts.

C7006-S—Three toggle switch, (right), vertical gang, $1\frac{1}{2}$ " x $9\frac{1}{8}$ " x $\frac{1}{8}$ " flush plate, 10 amp. 125 v., 5 amp. 250 v., U. S. 10 and U. S. 18 fin. For FF posts.



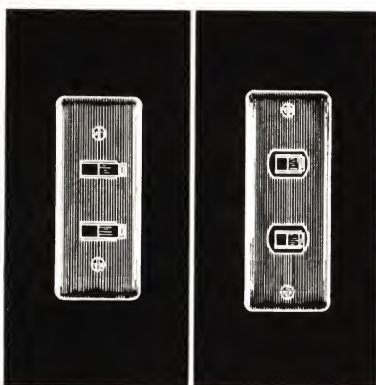
C7007-S—Fan bracket, (left), receptacle with flush plate, reinforced fan connection, CC application shown, AA, BB, FF similar U. S. 10 and U. S. 18 fin.

C7008-S—Fan bracket, (right), receptacle with flush plate, reinforced fan connection, R, W, WW application shown. U. S. 10 and U. S. 18 fin. Receptacles 15 amp. 125 v.; 10 amp. 250 v.



C7010-S—Single toggle switch, (left), $1\frac{3}{4}$ " x $4\frac{1}{8}$ " x $\frac{1}{8}$ " flush plate, 10 amp. 125 v.; 5 amp. 250 v. U. S. 10 and U. S. 18 fin. Fits all types, except FF posts.

C7011-S—Single toggle switch, (right), $1\frac{1}{2}$ " x $4\frac{1}{8}$ " x $\frac{1}{8}$ " flush plate, 10 amp. 125 v.; 5 amp. 250 v., U. S. 10 and U. S. 18 fin. Fits all types. Fittings interchangeable in flush plates.



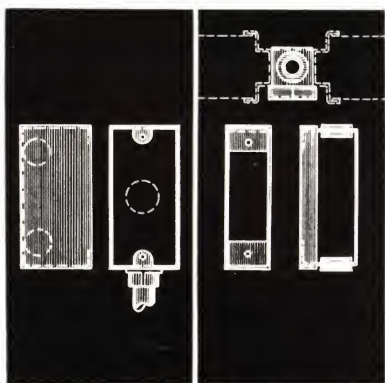
C7015-S—Two toggle switch, (left), $1\frac{3}{4}$ " x $4\frac{1}{8}$ " x $\frac{1}{8}$ " flush plate, 10 amp. 125 v.; 5 amp. 250 v. U. S. 10 and U. S. 18 fin. Fits all types, except FF posts.

C7016-S—Two toggle switch, (right), $1\frac{1}{2}$ " x $4\frac{1}{8}$ " x $\frac{1}{8}$ " flush plate, 10 amp. 125 v.; 5 amp. 250 v. U. S. 10 and U. S. 18 fin. Fits all types except FF posts. Fittings interchangeable in flush plates.



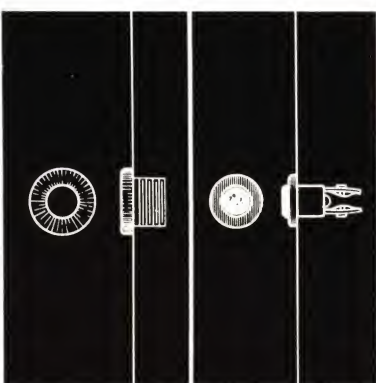
C7020-S—Three toggle switch, (left), $1\frac{3}{4}$ " x $4\frac{1}{8}$ " x $\frac{1}{8}$ " flush plate, 10 amp. 125 v.; 5 amp. 250 v. U. S. 10 and U. S. 18 finish. Fits all types except FF posts.

C7021-S—Three toggle switch, (right), $1\frac{1}{2}$ " x $4\frac{1}{8}$ " x $\frac{1}{8}$ " flush plate, 10 amp. 125 v.; 5 amp. 250 v. U. S. 10 and U. S. 18 finish. Fits all types, except FF posts. Fittings interchangeable in flush plates.



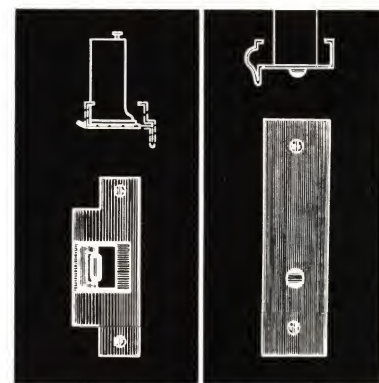
C7025-S—Electrical box, (left), for switches, receptacles etc., 2" x 4" x $1\frac{1}{8}$ " deep, steel painted black. Fits all types, except FF posts.

C7026-S—Electrical box, (right), for switches, receptacles etc., bushings top and bottom, designed for type FF posts only.



C7030-S—Fibre bushing, (left), black finish, $\frac{3}{8}$ " diameter clearance hole, for use in partition as outlet for phone or other wiring.

C7035-S—Push button, right illustration, $\frac{7}{8}$ " diameter, pearl face, for bells, buzzers, etc., installed in posts or chair rail.



C7040-S—Electric door opener, (left), 2 ohms resistance, mortise type, roller nose. Used for releasing locked door by push button from remote position.

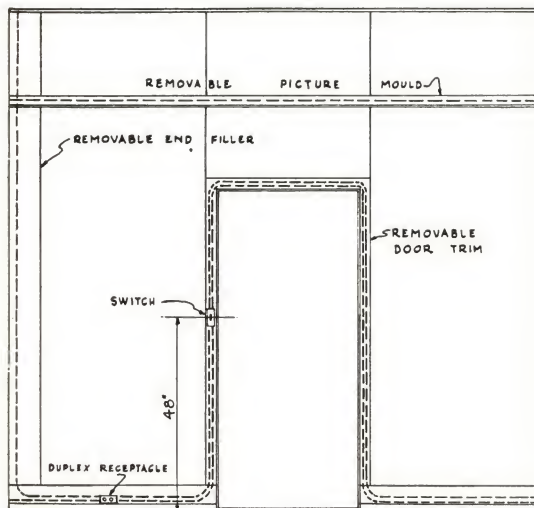
C7045-S—Electric door switch, (right), single pole, 6 amp. 125 v., 3 amp. 250 v., operates light when door is opened, used for closets, etc.

SHIPPING CLASSIFICATION — Suffix (s) = stock; (cs) = cut down stock. (ns) = no stock.

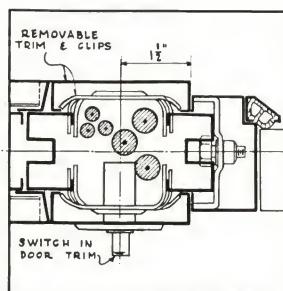
ENGINEERS AND ERECTORS AVAILABLE EVERYWHERE

ELECTRICAL DETAILS

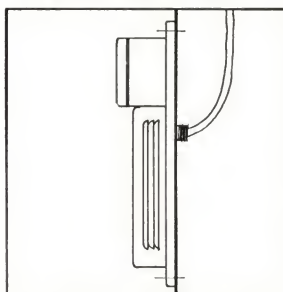
● partition wiring facilities



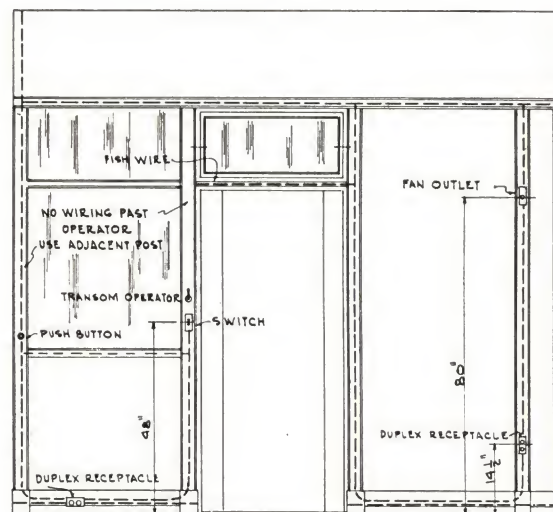
TYPICAL · TYPE · AA ·



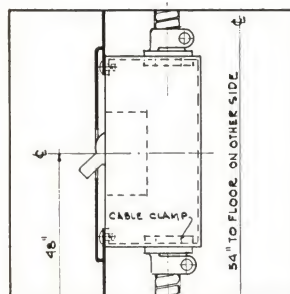
LAYIN WIRING TRIM



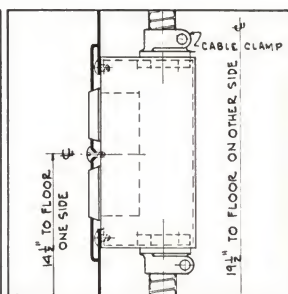
APPLIED · THERMOSTAT ·



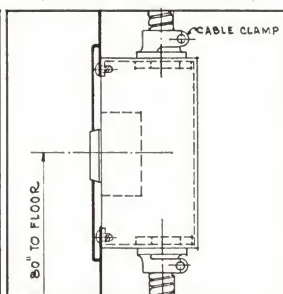
· TYPICAL · TYPE · CC · FF · BB ·



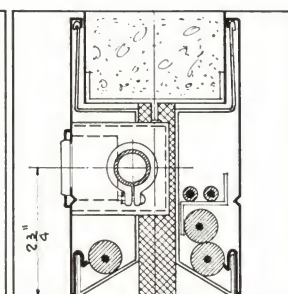
· SWITCH · IN · POST ·



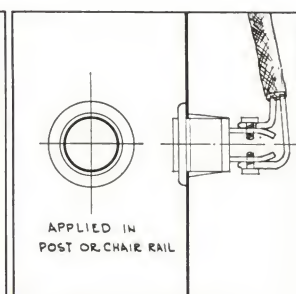
RECEPTACLE IN POSTS



· FAN · OUTLET ·



RECEPTACLE IN BASE



· PUSH · BUTTON ·

PARTITION TYPE WIRING FACILITIES:—Layin wiring facilities for both high and low tension are provided in types AA, BB, and EE in wiring raceways. This includes removable base, ends, door trim for layin wiring both sides of partition. Removable picture mould for layin wiring, continuous from wall to wall, both sides is also provided. Wiring past operator in door trim is possible in types AA, BB, CC and EE.

Types CC and FF both have double raceway layin wiring base and cornice trough each side of partition. Wiring at posts and fish wire in chair rails. No wiring past concealed operator, Type FF.

Removable base for double raceway layin wiring on types W and WW. Fish wire in base on type R and K. Wiring in posts and in cornice on types WW, W, R. Wiring in posts on HK, H and K.

Removable base for layin wiring in

semi-flush rail and glazed railing, fish wire base in moulded design railing.

ELECTRICAL FITTINGS: General Electric fittings and accessories are standard for types AA, BB, EE, CC, WW, W, R, HK, H, K. (See accessories page 45).

Pass and Seymour fittings and accessories are standard for types AA, BB, EE and FF. (See accessories page 45). In instances where electrical fittings are to be furnished by others, contractor should be notified of our partition standards, which should be adhered to.

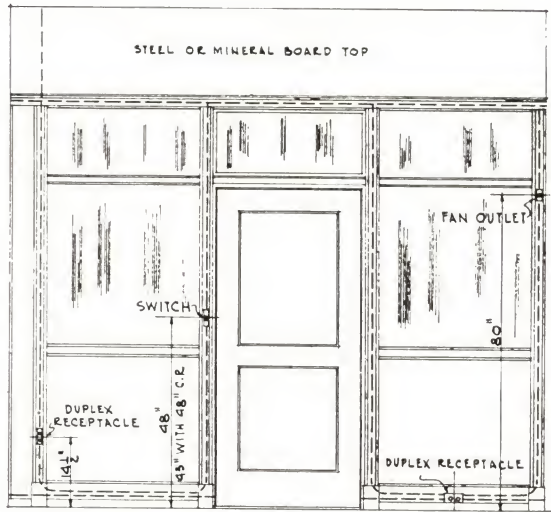
Floor feeds should never be located at posts of any type of partition, but should be turned into wiring base at least 6" away from post center line to allow for stampings and shims.

Ceiling feeds may be turned down in between top filler sheets into cornice and posts as required. Wall feeds may be run into partition through end filler.

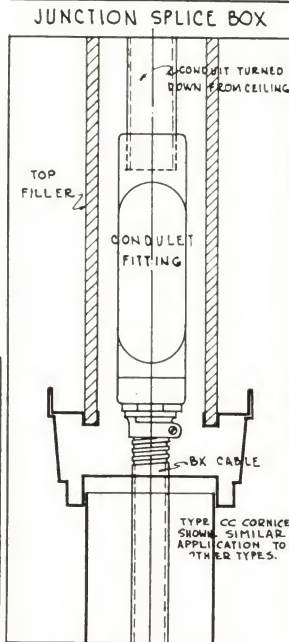
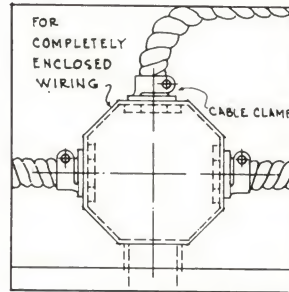
MAX. BX CABLE AND TUBE SIZES				
TYPE	POST	CORNICE	BASE	DR. HEAD
AA	—	0 0 0	1 0 0	0 0 0
BB	1 0 0	0 0 0	1 0 0	0 0 0
CC	1 0 0	2 0 0	1 0 0	1 0 0
FF	0 0 0	2 0 0	0 0 0	0 0 0
W	0 0 0	0 0 0	0 0 0	—
WW	0 0 0	0 0 0	0 0 0	—
R	0 0 0	0 0 0	0 0 0	—
H-HK	2"	—	—	—
K	2"	—	0 0 0	—
RAILING	0 0 0	—	0 0 0	—
AA-BB-CC	—	—	—	—
FF	—	—	—	—
W-WW-R	—	—	—	—

ELECTRICAL DETAILS

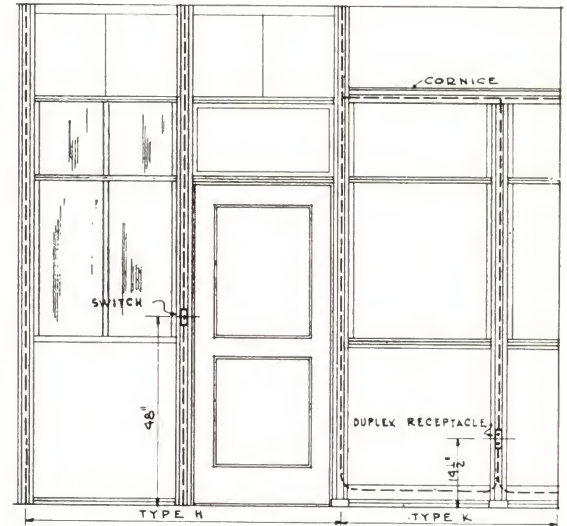
• wiring systems and symbols



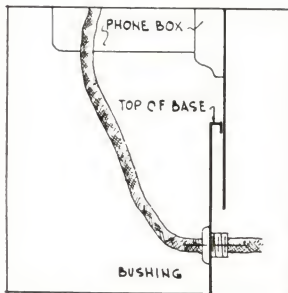
• TYPICAL • TYPE • R • W • WW •



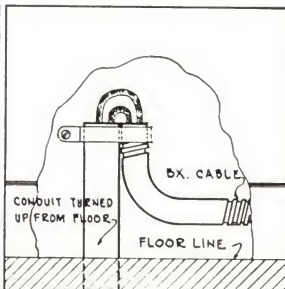
CEILING FEED



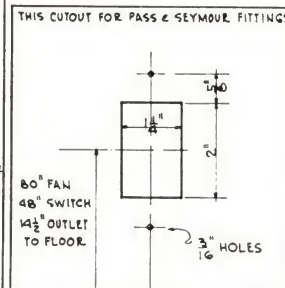
• TYPICAL • TYPE • H • K & HK •



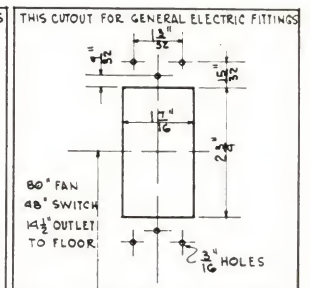
TELEPHONE OUTLET



FLOOR FEED



P&S ELECTRICAL CUTOUT



G.E. ELECTRICAL CUTOUT

STANDARD ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
S ₁	SINGLE SWITCH
S ₂	DOUBLE SWITCH
S ₃	TRIPLE SWITCH
S _D	DOOR SWITCH
⊕	DUPLEX RECEPTACLE
⊗	FAN OUTLET
⊕	PHONE OUTLET
⊕	PUSH BUTTON
⊕	THERMOSTAT
⊕	BUZZER
⊕	ELECTRIC DOOR OPENER
⊕	ELECTRIC PANEL

WIRING METHODS: The following method is recommended: All wiring completely concealed in partition and run in flexible BX cable. All connections and splices enclosed in junction boxes having BX cable ends securely clamped to boxes. Outlet boxes for all switch and convenience outlets with provisions for securing ends of BX cables. Ceiling and floor feeds connected to partition system at junction boxes.

Do not use rigid conduit in partition as flexible BX cable together with partition members meets National Fire Underwriters Code for No. 14 gauge rigid conduit system.

Another method used is the running of all wiring concealed in partition in flexible BX cable without use of junction boxes for splices and connections, provided adequate taping is used.

Layin wiring is completely enclosed

in types AA, BB, CC, FF and EE raceways. Enclosed raceways meet most code requirements without using BX cable. Small channel bridges can be supplied to carry raceways in base from one unit to the next.

If open wiring is used the partition must be grounded to building conduit system.

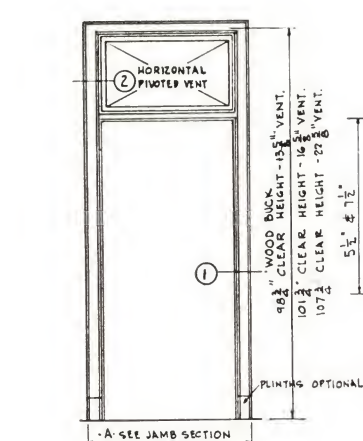
STANDARD SYMBOLS: Adjoining table lists standard electrical indications as approved by architects and the American Society for Electrical Engineers. Whenever required on drawings these symbols should be used exclusively.

AIR CONDITIONING FACILITIES:

New trends in offices often require air conditioning. Necessary suction liquid and drain lines are easily carried and concealed in raceways for electrical wiring. Line sizes that can be accommodated are listed in adjoining table on page No. 46.

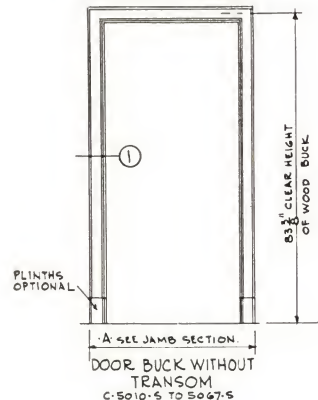
HOLLOW METAL TRIM

• door bucks, wall base and trim



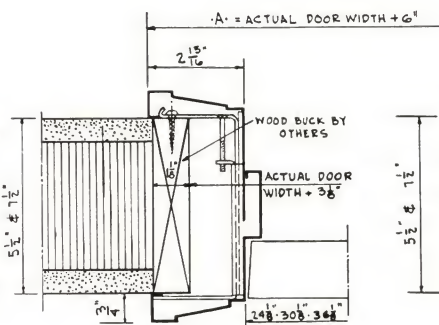
DOOR BUCK WITH TRANSOM

C-5300-S & 5301-S

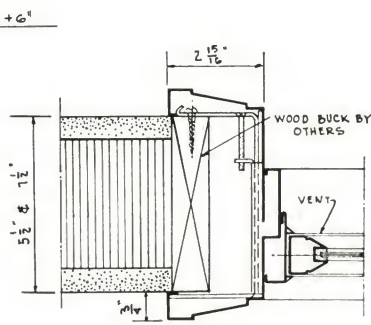


DOOR BUCK WITHOUT TRANSOM

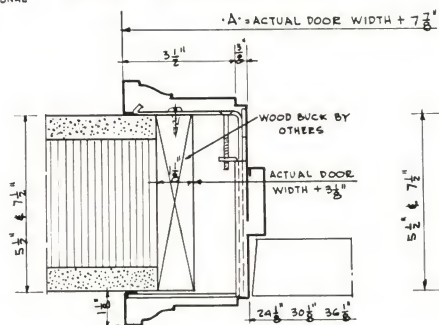
C-5010-S TO 5067-S



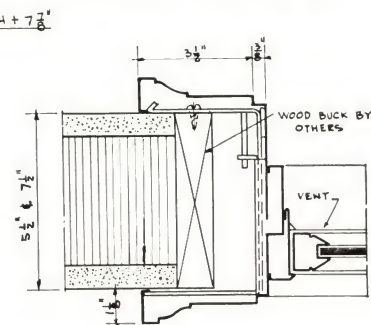
JAMB SECTION ①



TRANSOM SECTION ②



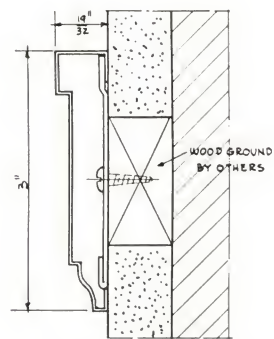
JAMB SECTION ① (ALTERNATE)



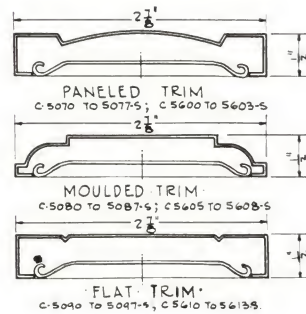
TRANSOM SECTION ② (ALTERNATE)

• TELESCOPIC • MOULDED • TRIM •
• DOOR • BUCKS •

NOTE! GIVE HEIGHT & THICKNESS OF WALL BASE IF ANY. THUMB TURNS ONLY, FURNISHED FOR CONCEALED OPERATOR.



MOULDED CHAIR RAIL
SHOWING TYPICAL APPLICATION

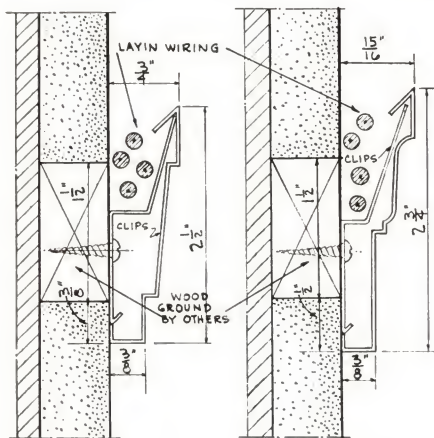


CHAIR RAIL TRIM TYPES

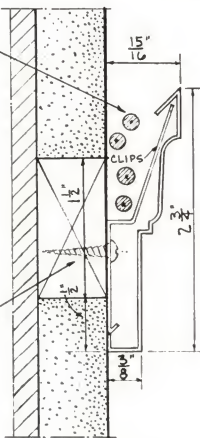
CHAIR RAIL LENGTH SIZES			
LENGTHS	CORNERS	R&LH COPES	
30"	12 x 12	30"	
60"	18 x 36	60"	
102"	24 x 24	102"	
	36 x 30		

PICTURE	MOULD	LENGTHS
LENGTHS	30"	60"
CORNERS	12" x 12"	18" x 36"
R&LH COPES	30"	60"

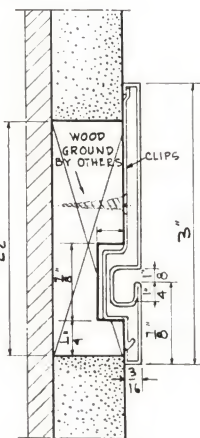
BASE LENGTHS • CORNERS • COPES			
LENGTHS	30"	60"	102"
CORNERS	12" x 12"	18" x 36"	24" x 24"
R&LH COPES	30"	60"	102"



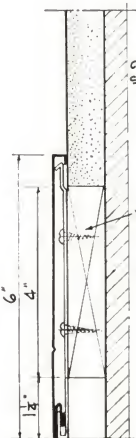
MOULDED TYPE
C-5700 TO 5703-S



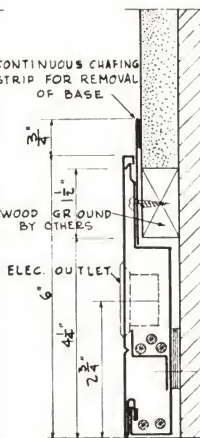
MOULDED TYPE
C-5705 TO 5708-S



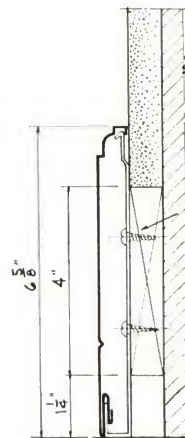
FLAT TYPE
C-5710 TO 5712-S



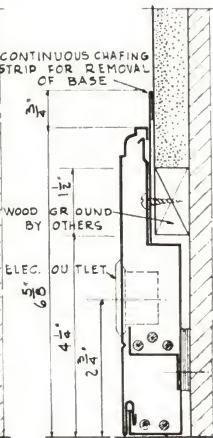
FLAT DUMMY
C-5500 TO 5502-S



FLAT WIRING
C-5510 TO 5512-S



MOULDED DUMMY
C-5505 TO 5508-S



MOULDED WIRING
C-5515 TO 5518-S

PICTURE MOULD TYPES

DUMMY & WIRING BASE TYPES

SHIPPING CLASSIFICATION
SUFFIX S = IN STOCK CS = CUTDOWN STOCK N = NO STOCK

PATENTED & PAT PENDING

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

SPECIFICATIONS

● safeguard of quality

SPECIFY HAUSERMAN BECAUSE—Leadership is the greatest assurance of value and acceptance. Specify Hauserman stock for a complete job, for speedy service, and for permanent satisfaction.

HAUSERMAN MASTERWALL SPECIFICATION

1. TYPE: Furnish and erect complete The E. F. Hauserman Company Standard Type... (insert type)... Movable Steel Masterwalls. (See partition types, index page 55, illustrations and details pages 14 to 31. Features pages 10, 11.)

Note: Method of handling "Or Equal" clause; While there is no substitute for Masterwall Design, Quality and Service it is occasionally necessary for statutory reasons to provide the possibility for other bidders. To this end the following clause may be added at the end of paragraph No. 1.

Partitions of other manufacturers which are proposed as generally meeting these specifications may be submitted for approval stating the exceptions from these specifications and amount of difference in price if any, effected by their use. *Note: Masterwall price levels are guaranteed on flat specifications within reasonable time limits.*

2. SHOP DRAWINGS: Shop drawings in duplicate showing partition layout, typical elevations, hardware schedule, finish and any special conditions shall be submitted for approval before fabrication.

3. INTERCHANGEABILITY: Door units shall be interchangeable with panel units of the same size. Units shall be so arranged and assembled that future extensions of either two-, three- or four-way may be jointed thereto in a neat symmetrical and substantial manner without removing the existing units, or using fillers. (Omit this paragraph for type TE which is movable but panels are interchangeable only in complete run changes).

4. STEEL: All exposed steel shall be cold rolled, furniture stock, properly annealed, process leveled with smooth, clean surfaces. Gauges specified are United States Standard

5. PANELS: Insert specification paragraph according to type as scheduled on pages 50 and 51. For type AA in addition to panel insert specify—The single line joint where panels abutt shall not be over $\frac{1}{8}$ " wide, and shall be flush with a tolerance of $\frac{1}{32}$ ". Surface of panels shall be commercially flat within the limits of commercial stretcher level steel. For types AA, BB, CC and FF in addition to panel insert specify—The inner surface of the sheets shall be coated with a mastic paint having a loose fibre content to deaden all metallic ring or rattle.

Partitions without door openings shall reduce sound transmission at least thirty-eight decibels for frequencies averaging from 256 to 4096 and partitions with doors shall reduce transmission at least twenty-five decibels average over the same range. (Types AA, BB and CC only.)

6. RAILS:..... (insert for type)

7. VERTICALS OR POSTS:..... (insert for type)

8. POST CAPS:..... (insert for type)

9. PLINTHS:..... (insert for type)

10. BASE:..... (insert for type)

11. CORNICE OR PICTURE MOLD:(insert for type)

12. END FILLERS: Steel end fillers shall be used at the end of partition runs and shall be insulated similarly to partition panels. End fillers shall be neatly and securely fastened to the building wall. (For type AA specify whether end fillers are to be type flush with partition surface at wall intersection, or type with flat mould trim.) (See details page 14 and 15).

13. TOP FILLER: Top fillers for partitions that extend to ceiling shall be neatly scribed to ceilings, walls, beams, pipes, etc., and joints shall be reinforced, pointed and refinished smooth ready for painting. Top filler shall be finished to match ceiling. Top filler shall be double sheet mineral board $\frac{1}{4}$ " thick, or steel. (Omit if no top filler required: For steel top filler on types AA and BB, specify: Top filler for partitions that extend to the ceiling shall be double steel with flush line joints. Single line for type AA, double line for type BB. Top filler shall be removable both sides and held in place by snap-on clips concealed behind removable picture mould. Provide flat ceiling mould to receive steel top. Pack top solid with inorganic filler for sound insulation. Finish to be applied in plant to match approved color sample. See general note regarding top fillers, page 52).

14. DOORS AND FRAMES: Doors shall be $\frac{1}{4}$ " thick, with not more than $\frac{3}{8}$ " clearance at jams and heads. Doors shall be standard, one or two panel, glass or steel panels, as shown or specified. Stiles and panels shall be sound deadened with packing.

Sinkages shall be provided in doors and frames for all mortise or countersunk interchangeable hardware. Steel reinforcement shall be inserted for attaching all hardware, and shall be of ample size to stiffen the sheet metal against the strain of the service required. Reinforcement shall be secured by electric welding. Reinforcements for butts shall be at least 9" long, No. 14 gauge steel channels with raised bosses tapered for screws. Double doors shall have bevelled meeting strikes.

Doors shall be glazed **without the use of exposed screws or loose glazing heads.**

Doors and frames shall be **floating type adjustable to variations in floor level.** (Omit this line on types H, K & HK whose frames do not float. For types AA and BB add specifications as follows:

Frames shall have rubber cushioned strikes to lessen sound transmission and assure more quiet operation of doors.

Provide snap-on door frame trim of design as shown on detail drawings. Trim shall be provided with raceways both sides for laying electric wiring. Type CC or FF can be furnished with steel or rubber strikes. Specify which).

15. HARDWARE: Hardware design and construction shall be as regularly furnished with the metal partitions. Hardware shall be interchangeable, with operation and finish as called for in hardware schedule. Doors to be hung on two ball bearing butts 5" x 4" in size. (U. S. 10 and U. S. 18 finish stocked, hardware illustrated pages 42, 43, 44. Specify whether friction device or concealed operator on vents).

16. ELECTRICAL PROVISIONS: Furnish and install electrical switches and plates 4'-0" above floor. Furnish and install duplex plug receptacles in the base, or post caps near base. Electrical fittings and receptacles shall be in number and location as shown on plans. All conduit and electric wiring by others. (Electrical accessories and details shown on pages 45, 46, 47).

17. FINISH: All surfaces shall be properly degreased clean and dry before paint or finish is applied. All coats shall be evenly applied, and all parts must be of uniform shade. Finish to be Masterwall color No... or as selected. (See finish information page 12, specify black mop strip when required).

Each coat of lacquer shall be put on in two applications, the second being worked at right angles to the first. Each coat of paint or enamel shall be baked to the proper degree of hardness before sanding.

Industrial or prime finish shall consist of one dip or spray coat of rust resisting paint baked on.

Flat color full finish shall consist of one dip or spray coat of rust resisting paint, baked on and sanded smooth. In addition two coats of pyroxylin lacquer shall be applied on all exposed surfaces, the first coat to be sanded smooth and the final coat to be an egg shell gloss finish.

See note on page 12 regarding special finishes and textures. Stipple finishes are recommended for flush walls such as types AA and BB. Call the Masterwall Engineer.

Grained finish shall consist of one dip or spray coat of rust resisting paint, baked on and sanded smooth, then grained to match approved finish sample. Two coats of clear pyroxylin lacquer shall then be applied, the first coat to be sanded smooth, and the final coat to be an egg shell gloss finish.

Finish coat shall pass a bend test of bending over a $\frac{1}{2}$ " diameter rod without showing cracks or imperfections in the finished surface.

18. GLASS AND GLAZING: Glass for metal partition work in this section shall be furnished by this contractor, of design, quality and thickness as specified or called for on drawings.

Glass shall be bedded in putty and back puttied. Putty shall be colored to match the finish of adjacent metal work, and shall not show on exposed surfaces. Glazing stops shall be **secure and without any exposed screw heads.** (Omit if no glass required).

19. ERECTION: Partitions shall be erected in a rigid and substantial manner, straight and plumb, with horizontal lines level. Units shall be interlocked and aligned at all panel and door unit joints. Securely anchor units to the floor with concealed fastenings adjustable to variations in floor level. Hardware shall be carefully adjusted and left in perfect working condition. Glass and metal surfaces shall be cleaned and left free from scratches and abrasions. Provide reinforcements to ceiling or bracing on runs exceeding 20 feet in length unsupported by cross runs.

THERE IS NO SUBSTITUTE FOR MASTERWALL STOCK

SPECIFICATIONS

● panel, rail, vertical, inserts

NOTE: Paragraphs No. 5 to 11 inclusive are to be inserted in paragraphs No. 5 to 11 inclusive of the standard specification form on page 49. The paragraphs are to be read and used horizontally.

SCHEDULE OF INSERTS FOR SPECIFICATION FORM—PAGE 49

TYPE	5. PANELS	6. RAILS	7. VERTICALS OR POSTS
AA 3" Thick Flush Single Line Joint See details Pages 8, 22, 23	All steel panels shall be flush with single line joint. Glass panel units shall be flush with double line joint. Panel plates shall be No. 20 gauge steel reinforced with steel members welded to panel plates approximately on 12" centers with spotwelds about 3" apart. Panels shall be packed solid with inorganic filler to form a firm backing and insulation. Panels shall be plant assembled in units by fastening on to verticals and designed to readily permit removal of panel plate on either side of partition.	Chair, transom and top rails shall be No. 18 gauge rolled steel shapes. Bottom member of transom and top rails of glass panels shall telescope into upper member, permitting insertion of glass without the use of removable stops. The soffit of telescopic glazing stops shall be perforated to receive picture hooks.	Verticals shall be No. 16 gauge formed steel shape perforated and notched for panel connections and electric wiring. Provide concealed adjustable posts anchored to floor and ceiling at each panel joint.
BB 3" Thick, Flush Double Line Joint See details Pages 8, 24, 25	Panels shall be flush with double line joint. Panel plates shall be No. 20 gauge steel reinforced with steel members welded to panel plates approximately on 12" centers with spotwelds about 3" apart. Panels shall be packed solid with inorganic filler to form a firm backing and insulation. Panels shall be plant assembled in units by fastening on to verticals and designed to readily permit removal of units. Units to have universal post arrangement.	Chair, transom and top rails shall be No. 18 gauge rolled steel shapes. Bottom member of transom and top rails of glass panels shall telescope into upper member, permitting insertion of glass without the use of removable stops. The soffit of telescopic glazing stops shall be perforated to receive picture hooks.	Verticals shall be No. 14 gauge formed steel shape perforated and notched for panel connections and electric wiring. Provide concealed adjustable posts anchored to floor and ceiling at each panel unit.
CC 3" Thick, Semi Flush See details Pages 10, 26, 27 and 28	Panels shall be flush type with projections at posts not to exceed $\frac{1}{8}$ ", and panel thickness not to be less than $2\frac{3}{4}$ ". Panel plates shall be No. 20 gauge steel, reinforced with steel members welded to panel plates approximately on 12" centers with spotwelds about 3" apart. Panels shall be packed solid with inorganic filler to form a firm backing and insulation. Panels shall be assembled by means of tie rods, and designed to permit cut down in the field readily.	Chair, transom and top rails shall be No. 18 gauge rolled steel shapes. Bottom member of transom and top rails of glass panels shall telescope into upper member, permitting insertion of glass without the use of removable stops. The soffit of telescopic glazing stops shall be perforated to receive picture hooks. The face of rails shall be flush with face of panels.	Verticals shall be No. 16 gauge rolled steel shape perforated and notched for clip connections and electric wiring.
FF 2" Thick, Semi Flush See details Pages 11, 34 and 38	Panels shall be flush type with projections at posts not to exceed $\frac{1}{8}$ ", and panel thickness not to be less than $1\frac{3}{4}$ ". Panel plates shall be No. 20 gauge steel reinforced with steel members welded to panel plates approximately on 12" centers with spotwelds about 3" apart. Panels shall be packed solid with inorganic filler to form a firm backing and insulation. Panels shall be assembled by means of tie rods, and designed to permit cut down in the field readily.	Chair, transom and top rails shall be No. 18 gauge rolled steel shapes. Bottom member of transom and top rails of glass panels shall telescope into upper member, permitting insertion of glass, without the use of removable stops. The soffit of telescopic glazing stops shall be perforated to receive picture hooks. The face of rails shall be flush with face of panels.	Verticals shall be No. 16 gauge rolled steel shape perforated and notched for clip connections and electric wiring.
W $\frac{3}{8}$ " Panel, 3" Post See details Pages 12, 37	Partitions shall be paneled type with packed steel panels $\frac{3}{8}$ " thick, or glass panels. Panel plates shall be No. 24 gauge steel packed with $\frac{1}{8}$ " mineral board, excepting panels from chair rail to transom rail to be No. 20 gauge with corrugated fibre board packing. Panel assembly to be by means of tie rods, and designed to permit cut down in field readily.	Transom and top rails shall be No. 16 gauge rolled steel shapes. Chair rail shall be No. 18 gauge rolled steel shape. Bottom members of transom and top rails glass panels shall telescope into upper member, permitting insertion of glass without the use of removable stops. The soffit of telescopic glazing stops shall be perforated to receive picture hooks.	Verticals shall be No. 16 gauge rolled steel shape perforated and notched for clip connections and electric wiring.
R $\frac{3}{8}$ " Panel, 3" Post See details Pages 13, 38, 39	Partitions shall be paneled type with packed steel panels $\frac{3}{8}$ " thick, or glass panels. Panel plates shall be No. 24 gauge steel packed with $\frac{1}{8}$ " mineral board, excepting panels from chair rail to transom rail to be No. 20 gauge with corrugated fibre board packing. Panel assembly to be by means of tie rods, and designed to permit cut down in field readily.	Transom and top rails shall be No. 16 gauge rolled steel shapes. Chair rail shall be No. 20 gauge formed steel shape. Bottom member of transom and top rails of glass panels shall telescope into upper member, permitting insertion of glass without the use of removable stops. The soffit of telescopic glazing stops shall be perforated to receive picture hooks.	Verticals shall be No. 16 gauge rolled steel shape perforated and notched for clip connections and electric wiring.
HK or H Single Steel, $3\frac{3}{4}$ " Post See details Pages 13, 40, 41	Partitions shall be paneled type with No. 18 gauge steel panels, or glass panels. Units shall be assembled both vertically and horizontally with concealed bolted connections at the posts	Horizontal rails shall be No. 20 gauge formed steel shapes. Vertical muntins to be No. 22 gauge formed steel.	Posts shall be No. 20 gauge formed steel $3\frac{3}{4}$ " square and extending full height to ceiling. (Note, cornice high when cornice is used).
K Single Steel, $3\frac{3}{4}$ " Post, Base See details Pages 13, 40, 41	Partitions shall be paneled type with No. 18 gauge steel panels, or glass panels. Units shall be assembled both vertically and horizontally with concealed bolted connections at the posts.	Chair rail and horizontal rails shall be No. 20 gauge formed steel shapes. Vertical muntins to be No. 22 gauge formed steel.	Posts shall be No. 20 gauge formed steel $3\frac{3}{4}$ " square and extending to bottom of cornice. Perforations to be provided at bottom of posts for electric wiring through base.
TE 2" Thick, Semi Flush See details Page 41	Panels shall be flush type with projections at posts not to exceed $\frac{1}{8}$ " and panel thickness not to be less than $1\frac{3}{4}$ ". Panel plates shall be No. 20 gauge packed solid with inorganic filler.	None.	Posts shall be No. 20 gauge formed flat shape with provisions for anchoring to floor channel and cornice.
EE ASBESTOS ACOUSTIC HOSPITAL CUBICALS FIREPROOF WALLS	Specifications and details furnished on request		

THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

SPECIFICATIONS

in the schedule opposite the type of partition being specified. The paragraph inserts should not be interchanged between partition types.

● post caps, base, cornice, inserts

SCHEDULE OF INSERTS FOR SPECIFICATION FORM—PAGE 49

TYPE	8. POST CAPS	9. PLINTHS	10. BASE	11. CORNICE OR PICTURE MOULD
AA 3" Thick Flush Single Line Joint See details Pages 8, 22, 23	(No post caps on all steel panels. For steel and glass panels use type BB post caps below).	None.	Base shall be No. 18 gauge 6" high continuous with $\frac{3}{8}$ " projection. Base shall be removable for lay-in wiring with both sides independently adjustable for varying floor levels. Wiring raceways shall be provided for high and low tension wiring.	Picture mould shall be No. 18 gauge rolled shape 3" high with $\frac{3}{8}$ " projection. Picture mould shall be removable each side for lay-in concealed electric wiring. Provide continuous picture hook slot in moulding. (If cornice is desired, specify the same as for type CC.)
BB 3" Thick, Flush Double Line Joint See details Pages 8, 24, 25	Post caps shall be No. 18 gauge rolled shape, to snap on flush with panels. Caps shall be removable for disassembly, wiring, and the joining of panels at 2-, 3- or 4-way connections.	None.	Base shall be No. 18 gauge 6" high continuous with $\frac{3}{8}$ " projection. Base shall be removable for lay-in wiring with both sides independently adjustable for varying floor levels. Wiring raceways shall be provided for high and low tension wiring.	Picture mould shall be No. 18 gauge rolled shape 3" high with $\frac{3}{8}$ " projection. Picture mould shall be removable each side for lay-in concealed electric wiring. Provide continuous picture hook slot in moulding. (If cornice is desired, specify the same as for type CC.)
CC 3" Thick, Semi Flush See details Pages 10, 26, 27 and 28	Post caps shall be No. 18 gauge rolled shape, to snap on flush with panel verticals. Caps shall be so designed as to form with panel verticals a pilaster relieved by vertical V-shaped lines. Caps shall be removable for disassembly and wiring.	Plinths shall be No. 14 gauge, flat, hook on type, vertically adjustable to floor at all posts.	Base shall be No. 18 gauge 6" high with $\frac{1}{4}$ " projection. Base shall be removable for lay-in wiring with both sides independently adjustable for varying floor levels. Wiring raceways shall be provided for high and low tension wiring.	Cornice shall be No. 18 gauge rolled shape $2\frac{1}{2}$ " high with internal expanding pull-up splice. Cornice shall provide for lay-in concealed wiring between top flanges of cornice and top filler after top filler is installed. This in addition to any concealed wiring within the cornice itself.
FF 2" Thick, Semi Flush See details Pages 11, 34 and 35	Post caps shall be No. 18 gauge rolled shape, to snap on flush with panel verticals. Caps shall be so designed as to form with panel verticals a pilaster relieved by vertical V-shaped lines. Caps shall be removable for disassembly and wiring.	Plinths shall be No. 14 gauge, flat, hook on type, vertically adjustable to floor at all posts.	Base shall be No. 18 gauge 6" high with $\frac{1}{4}$ " projection. Base shall be removable for lay-in wiring with both sides independently adjustable for varying floor levels. Wiring raceways shall be provided for high and low tension wiring.	Cornice shall be No. 18 gauge rolled shape $2\frac{1}{2}$ " high with internal expanding pull-up splice. Cornice shall provide for lay-in concealed wiring between top flanges of cornice and top filler after top filler is installed. This in addition to any concealed wiring within the cornice itself.
W $\frac{3}{4}$ " Panel, 3" Post See details Pages 12, 37	Post caps shall be No. 18 gauge rolled shape, moulded design, to snap on panel verticals. Caps shall be removable for disassembly and wiring.	Plinths shall be No. 16 gauge, snap-on type, vertically adjustable to floor at all posts.	Base shall be No. 20 gauge $7\frac{7}{8}$ " high with moulded top. Base shall be removable for lay-in wiring with both sides independently adjustable for varying floor levels. Wiring raceways shall be provided for high and low tension wiring.	Cornice shall be No. 18 gauge rolled shape $2\frac{3}{4}$ " high with internal expanding pull-up splice. Cornice shall be designed so as to allow concealed wiring to be run within.
R $\frac{3}{4}$ " Panel, 3" Post See details Pages 13, 38, 39	Post caps shall be No. 20 gauge rolled shape moulded design, to snap on panel verticals. Caps shall be removable for disassembly and wiring.	Plinths shall be No. 18 gauge, snap-on type, vertically adjustable to floor at all posts.	Base shall be No. 20 gauge $6\frac{5}{8}$ " high with moulded top, and 2" high floor mould, adjustable for varying floor levels. Base design shall allow for concealed fish wiring within.	Cornice shall be No. 18 gauge rolled shape $2\frac{3}{4}$ " high with internal expanding pull-up splice. Cornice shall be designed so as to allow concealed wiring to be run within.
HK or H Single Steel, 3 $\frac{1}{4}$ " Post See details Pages 13, 40, 41	Post caps shall be No. 20 gauge formed steel, to snap on posts. Caps to be removable for disassembly and wiring.	None.	None.	If cornice required, specify same as for type K.
K Single Steel, 3 $\frac{3}{4}$ " Post, Base See details Pages 13, 40, 41	Post caps shall be No. 20 gauge formed steel, to snap on posts. Caps to be removable for disassembly and wiring.	Plinths shall be No. 18 gauge, slip-on type, vertically adjustable to floor at all posts.	Base shall be No. 20 gauge 7" high with moulded floor mould 2" high, adjustable for varying floor levels. Base design shall allow for concealed fish wiring within.	Cornice shall be No. 18 gauge moulded shape $3\frac{5}{8}$ " high with internal expanding pull-up splice. Cornice to be designed so as to allow for concealed wiring to be run within.
TE 2" Thick, Semi Flush See details Page 41	None.	None.	Base shall be No. 18 gauge formed steel channel designed to receive panels and posts. (Note: For uneven floors specify base to be caulked at floor line particularly at urinals and showers).	Cornice shall be No. 18 gauge rolled shape $2\frac{3}{4}$ " high with internal expanding pull-up splice.
EE ASBESTOS ACOUSTIC HOSPITAL CUBICLES FIREPROOF WALLS	Specifications and details furnished on request.			

A MASTERWALL FOR EVERY PLACE AND PURPOSE

SPECIFICATIONS

● railings, counters, hollow metal

SPECIFICATION PARAGRAPHS on page 49 covering general conditions, performance, erection finish, etc., are to be used with the following various specifications as they apply.

CEILINGS: Specifications should call for, and drawings should show, type of ceiling desired. See various types illustrated on page 39.

COUNTER: (*Open Back*). Counter front and ends shall be constructed of steel panel units so as to readily permit rearrangement of counter if required. Panel units shall be E. F. Hauserman Company type

Counter top to be No. 14 gauge steel covered with $\frac{1}{8}$ " thick linoleum of color selected. Linoleum top to be securely cemented in place with edges bound by $\frac{3}{16}$ " high bronze binding.

Open end of counter to have a wide apron and to be supported by 2" square posts with 2" high adjustable steel floor shoes.

Furnish (*quantity*) No. 16 gauge steel shelves under counter.

COUNTER OR DISPLAY CASE: (*Closed Back*). Furnish and install E. F. Hauserman Company counter type

Counter front and ends shall be constructed of steel panel units so as to readily permit rearrangement of counter if required.

Counter top to be No. 14 gauge steel covered with $\frac{1}{8}$ " thick linoleum of color selected. Linoleum top to be securely cemented in place with edges bound by $\frac{3}{16}$ " thick bronze binding.

Back of counter to be enclosed with (*specify whether hinged or sliding steel or sliding glass*) doors with flat key lock. (*Note: Also specify whether front of counter is to have steel or glass panel. Specify fixed or adjustable glass or steel shelves giving width and quantity, also type and number of drawers*).

DUSTPROOFING: For dustproof jobs, partition types are recommended in the following sequence of dustproofness; AA, BB, CC, FF or WW; W or R. Intersection of partition extremities with building floor, walls and ceiling should be caulked. Clearance under doors should be sealed with threshold and felt strip. It is important to have felted door frames, which are available only in types AA, BB, CC and FF. Types H, K or HK are not recommended for dustproof jobs and if used caulking should also be applied between panel horizontals and at intersection of posts.

GLAZED RAILING: Furnish and install E. F. Hauserman Company type glazed railing. (*See details page 32*). Panel and gate units to be movable and interchangeable.

Securely anchor railing to floor by means of pipe braces and floor castings.

Panels to be steel to 42" high, glazed above with 24" high glass $\frac{1}{4}$ " thick. Glass to be held in place with well proportioned steel posts. Posts to be topped with ornamental finals, U. S. 10 or U. S. 26-D finish. Top, horizontal of panels at glass line to be steel painted.

When low gates are called for they shall have straight top, with stainless steel crown.

High gates to be 60" high, 6" above floor, glazed with curved top glass.

Double acting gates to have die cast self-centering gate hinges.

Single acting glazed gates to have checking hinge, rubber gate stop, full height of bottom steel panel and push and pull plates or latch operated by lever handles both sides.

(*Specify cylinder lock when required*).

LIGHTPROOFING: Recommendations for lightproof jobs are the same as for dustproofing. Practical lightproof entrances are made by the use of two doors with a small vestibule. Louvers or grilles are lightproofed by covering with a metal hood with black interior.

PICTURE MOULD: Furnish and install E. F. Hauserman Company type picture mould. (*See page 48*)

Continuous wood ground as detailed to be furnished and installed by others.

Picture mould to be No. 18 gauge with accurate profile and square ends. Clips for holding picture mould to be No. 14 gauge, located 18" on center.

RAILING: Furnish and install E. F. Hauserman Company, type movable steel railing. (*See details page 32*). Panel and gate units to be interchangeable.

Securely anchor railing to floor by means of pipe braces and floor castings.

Double acting gates to have die cast self-centering gate hinges.

Single acting gates to have checking hinge and rubber gate stop full height of gate.

Gates shall have straight top with stainless steel crown.

Hand rail and post capitals to be stainless steel tampico brush finish.

SLIDE UP SASH: Sash frames shall be constructed of steel. Neat appearing counterweight boxes and sash guides to be fabricated of No. 18 gauge steel. Provide removable cover for access to counterweights. Counterweight pulley to be hardened steel with ball bearings. Chain shall be heavy 5 ply steel chain. Sash to be locked in closed position by dead bolts.

SOUND PROOFING: Partition shall be E. F. Hauserman Company type soundproof partition.

Steel panel units shall be insulated full thickness. Glass panels to be double glazed. Glass to be glazed so as to be easily removed for cleaning. All four edges of glass to be well sealed to prevent sound leakage. ($\frac{1}{4}$ " thick glass is recommended).

Seal the point of contact of partition base and floor with mastic seal. Base at floor stamping connections, post caps and end fillers to be well packed with inorganic filler.

Ventilation to be provided by means of sound absorbing duct installed at top filler. (*Transoms not recommended due to sound leakage*).

Door frames to be provided with felted frames to insure quiet operation of door and eliminate sound transmission. Provide felt wiper and bronze threshold to close opening at bottom of door. (*Source of large leakage*).

Top filler to be packed with inorganic filler for sound insulation.

TOP FILLERS: Specifications should call for, and drawings should show, type of top filler desired. Partition types AA, and BB with picture mould regularly furnished with double steel insulated top filler. Steel top filler is the best answer for flush walls providing greater durability, flexibility and salvability.

Double mineral board top fillers with cornice or picture mould also available for types AA and BB.

Double mineral board regularly used with all other partition types having cornice. Double steel tops also available. Single steel top filler used with types K, H, HK when used with posts to ceiling without cornice. (*See various types illustrated on page 39*).

TELESCOPIC DOOR BUCK: Furnish and install the E. F. Hauserman Company telescopic type door bucks with No. 18 gauge removable trim. Trim to be securely held in place with No. 12 gauge clips. Wood buck by others must be $\frac{1}{8}$ " thick stock installed plumb and accurately. Inside clearance of wood buck to be $3\frac{1}{8}$ " wider than actual door width, with $83\frac{3}{8}$ " clear height above finished floor.

For bucks with vents wood bucks should provide $98\frac{3}{4}$ " clear height for $13\frac{5}{8}$ " vent and $101\frac{3}{4}$ " clear height for $16\frac{5}{8}$ " vent, and $107\frac{3}{4}$ " clear height for $22\frac{5}{8}$ " vent.

Overall width and length of wood buck must not exceed overall width and height of metal trim. (*See page 48*)

(*Note: Specify door bucks whether with or without vents and concealed operator or friction device.*)

WALL BASE: (*Non-wiring type*). Furnish and install E. F. Hauserman Company non-wiring type . . . wall base. (*See page 58*)

Continuous wood ground $\frac{3}{4}$ " x 4" to be furnished and installed by others with top of ground located $5\frac{1}{4}$ " above finished floor line.

Wall base to be securely held in place by No. 14 gauge steel clips located 18" on center.

Outer base to be No. 18 gauge with accurate profile and square ends.

WIRING WALL BASE: Furnish and install E. F. Hauserman Company type . . . wiring wall base. (*See page 48*)

Continuous wood ground $\frac{3}{4}$ " x $1\frac{1}{2}$ " to be furnished and installed by others with top of ground located $5\frac{3}{4}$ " above finished floor line.

Wall base to be removable for access to electric wiring. Provisions to be made for high and low tension wiring, with continuous 18 gauge compartment for high and low tension wiring.

Outer base to be No. 18 gauge with accurate profile and square ends. Provide continuous metal chafing strip at plaster line for easy removal of base and protection of plaster.

WINDOW EMBRASURES: Furnish and install E. F. Hauserman Company type window embrasures as called for on plans.

Radiators to be enclosed with removable panel front full width for access to radiators.

Radiator enclosure to have neat perforated grille openings for air circulation. Access to radiator valve to be by means of concealed access door in removable front. Radiator stool to be insulated and have baffle to reflect heat into room.

At head of window embrasure provide pocket to receive drapes and Venetian blinds. (*Note: Specify perforation location, whether in base, stool, or top and bottom of removable front grille. See details page 34*).

HAUSERMAN PRACTICE

● the result of experience

THE POLICY OF THE HAUSERMAN COMPANY is to take full responsibility for the delivery of a complete job. This means analysis of the prospective customer's uses, the application of Masterwalls to these uses, their manufacture, erection and glazing, their finishes and furnishings such as hardware and other accessories. The co-ordination of all of these items with other trades or activities, are all included under our slogan "Organized for Service."

COMPLETE INFORMATION is all important, the faster the job the more important. Such items as color, hardware, glass, approved drawings, field dimensions, are all vital to service. The best facilities must have genuine co-operation in these matters from the customer if speed and satisfaction are to be attained. Much time can be saved in erecting partitions by making layouts as correctly as possible to field conditions. This is done by taking field measurements of old or rough walls, floors and intersecting mechanical equipment. End fillers must be wide enough for end posts to completely clear all pipes, radiators and window ventilators. Factory trained engineers clean up these items promptly in the field.

Speed demands stock. Stock shipments demand clean orders and no changes while in the shop. A buyer is safe to go "full steam ahead" as Masterwalls have the built-in facilities for the inevitable last minute changes which are usually handled in the field.

ERECTION: Many years of experience have taught us that in the main our men do the best, quickest and most practical erection job. Floor levels are important. They are usually out at least $\frac{1}{2}$ " and frequently 1" to $1\frac{1}{2}$ ". Some old buildings are out of level as much as 2" or more. Facilities for meeting these conditions are present in all Masterwalls by the use of floor shims, floating door frames, bases and plinths. High or low spots can be taken care of without cutting the partitions and thereby interfering with their re-use. As a general rule Masterwalls should be erected on top of finished floor or floor covering. This reduces patching of floor or floor covering when partitions are moved.

Wherever possible, walls and ceilings should be painted before partitions are installed. This makes satisfactory re-touching possible when partitions are moved as paint line at intersection of wall and partition is almost impossible to remove when walls are painted after erection of partition. This will also eliminate spattering of partitions with paint and plaster touchup when walls are painted. Masterwalls are only one step ahead of furniture and carpets and should be handled as such. Remember the original shop finish is the finest finish and should never be touched with anything but the best soap and water to keep it clean. It will remain fresh and bright a lifetime.

NON STOCK HARDWARE: No single item causes as much trouble and confusion as non stock hardware. This is notorious. We strongly urge against its use. Hauserman hardware is designed so that bitt key, cylinder and communicating locks are interchangeable in the same mortise. This hardware is the product of one of the leading hardware manufacturers. Built to our specifications to meet the deficiencies that 20 years of extensive hardware use have taught us. A user will be free from many irritations due to inability to interchange locks in doors without changing entire door, as different mortises are required for different locks. All Hauserman locks are interchangeable in same mortise which is standard for all doors. Masterkeyed cylinders of all standard manufacturers fit Hauserman locks.

This catalogue shows our complete stock line. The use of non stock hardware results in inevitable delay and usually added cost must be recognized. Masterwall complete stocks eliminate three to twelve weeks' time, the time usually required for actual hardware shipments, not promises. Hardware is best installed in the doors in the shop.

GLASS: Where vision is desired use clear glass, either $\frac{1}{4}$ " polished plate or D. S. A. window glass (about $\frac{1}{8}$ " thick). Polished plate glass provides perfect vision, while D. S. A. has more or less distortion and is used where a saving outweighs the irritation incident to distorted vision. New processes have reduced this distortion but it is still present in varying degrees. Where borrowed light only is desired, use obscure glass either $\frac{1}{8}$ ", $\frac{3}{16}$ " or $\frac{1}{4}$ " thick available in various patterns. Consult the Masterwall engineer for various samples and prices. Glass $\frac{1}{8}$ " thick (clear or obscure) should never be used in one-panel doors, glazed railing, or when glass is chipped or sand-blasted, glass $\frac{1}{4}$ " thick is recommended for these purposes. Clear glass actually should not be used above the transom. Clear glass in transoms admits no more light than obscure glass. Also obscure glass requires less frequent cleaning. Obscure glass diffuses light from ceiling fixtures and hides ceiling irregularities.

PUTTY: Glass is set in Hauserman metal partition putty, bedded and back-puttied. The putty is tinted to match the partition finish and will hold the glass securely against rattles without causing compression cracks. Ordinary wood sash putty should never be used as it will sag when fresh and harden and chip as it ages.

EXPERIENCE GETS THE RIGHT ANSWERS and has produced "Organized for Service." This means smart designs, fine manufacturing facilities, factory trained engineers and erectors constantly in the company's employ.

FIREPROOF MASTERWALLS

● prefabricated, movable fire walls



Exterior of fire test chamber with pyrometers in place before fire.



Exterior disassembled panel after fire, showing panel and packing unaffected.



Interior of the fire chamber before igniting of fire, showing fuel in place.

THESE FIREPROOF insulated movable steel Masterwalls comply with the American Society for Testing Materials one hour fire test requirements. Standard Specifications for Fire Test of Building Structures and Materials (C-19-33) require exposure, in a confined space, to fire having a standard temperature rise reaching 1700° F. in one hour. The exterior surface temperature must not rise 250° F. over the air temperature. (*Masterwalls passed this test with only a 70° F. temperature rise.*) After one hour, inside panels are subjected to a fire hose using 30 pounds water pressure

from a 1½" nozzle. The panel joint must remain vertically straight and tight without passage of flame and water.

THIS FIREPROOF WALL is available in 3" and 4" thickness both of which have passed the one hour fire test. Outward appearance is identical with type "AA" wall permitting use of fire wall with straight run of partition in the same room. All type "AA" features apply to these fire walls in addition to special treated insulated joints at panels, ends, top fillers, and ceiling connections. (Details on request).

Exterior after test showing surface unaffected by fire, finish is intact.



Unit removed after fire, showing panel edges and post free from any warping.



Interior surface after fire still intact, free from any failure. Wall remains rigid.



THE E. F. HAUSERMAN CO., CLEVELAND, OHIO

INDEX

• classification of partitions

INDEX OF PARTITION TYPES

TYPE PANELS	PANEL THICKNESS	CHARACTERISTICS	POST	USE	PAGE
HK, H, K STEEL, GLASS, WIRE MESH PANELS (s)	Single steel.	Horizontal and Vertical panel assembly with individual universal post, steel top.	3 3/4" square paneled.	Industrial	30, 31
R GLASS & STEEL Interchangeable panels (s)	3/8" packed steel.	Moulded type, fish wire base, universal post, mineral board or steel top.	3 3/8" wide x 3" deep, moulded design.	General purposes Offices Industrial	28, 29
W GLASS & STEEL PANELS Interchangeable or SOLID packed (s)	3/8" packed steel.	Moulded type, layin wire base, universal post, mineral board or steel top.	3 3/8" wide x 3" deep, moulded design.	Offices Wainscoting	27
WW GLASS & STEEL PANELS Interchangeable or SOLID packed (s)	1 1/2" solid packed steel with low density wood fiber board.	Moulded type, layin wire base, universal post, mineral board or steel top.	3 3/8" wide x 3" deep, moulded design.	Offices Wainscoting	27
FF GLASS & STEEL PANELS Interchangeable or SOLID packed (s)	1 3/4" packed solid with inorganic filler, reinforcing 12" apart electrically welded 3" centers. De luxe construction.	Semi-flush, layin wire base, universal post, steel top, alternate, mineral board.	2 7/8" wide x 2" deep, flat 1/8" projection.	Finest Glass and Steel Partitions, Offices, Schools, Laboratories	24, 25
HOSPITAL CUBICALS, Glass and steel panels interchangeable, open or closed base and ends.	1 3/4" packed solid with inorganic filler, reinforcing 12" apart electrically welded 3" centers. Deluxe construction.	Semi-flush, wiring facilities, universal post, with or without steel or mineral board top.	2 7/8" wide x 2" deep, flat 1/8" projection.	Hospital bed cubicals, Institutional partitions, Clinics, Beauty Parlors	26
CC SOLID PACKED OR STEEL & GLASS Interchangeable panels, single or double glazing (s)	2 3/4" packed solid with inorganic filler, reinforcing 12" apart electrically welded 3" centers. De luxe construction.	Semi-flush, soundproof, layin wire base, universal post, steel top, alternate, mineral board.	3 3/4" wide x 3" deep, flat 1/8" projection.	Offices Wainscoting Corridors Schools Solid Partitions	18, 19, 20
BB SOLID PACKED OR STEEL & GLASS. Double Line Joint. Interchangeable panels, double glazing optional (s)	3" packed solid with inorganic filler, reinforcing 12" apart electrically welded 3" centers. De luxe construction	Absolutely flush, soundproof, layin wire base and door frame, universal post, steel top, alternate, cornice or picture mould with mineral board top, shop assembly.	Flush cap, double line joint.	Offices, Schools Wainscoting Corridors Department Stores	16, 17
AA SOLID PACKED OR STEEL & GLASS. Single line joint. Interchangeable panels, double glazing optional (s)	3" packed solid with inorganic filler, reinforcing 12" apart electrically welded 3" centers. De luxe construction.	Absolutely flush, soundproof, layin wire base and door frame, steel top, alternate, cornice or picture mould with mineral board top, shop assembly.	Concealed post, flush single line joint.	All former uses, plaster and tile walls, Offices, Lobbies Corridors	14, 15
EE ASBESTOS OR ASBESTOS & GLASS Single line joint. Interchangeable panels, double glazing optional.	3" asbestos with or without sound insulation packing full thickness. De luxe construction.	Flush with 1/32" beveled V joints, layin wire base and door trim, mineral board or asbestos top, shop assembly.	Concealed post, flush single line joint.	Decorative Offices, Wainscoting, Lobbies, Corridors, Executive Suites.	22, 23
FIRE PROOF SOLID PACKED MASTERWALLS Fush steel, straight single line joint.	3" or 4" packed solid with rock-wool, reinforcing 12" apart electrically welded 3" centers. De luxe construction.	Absolutely flush, fire proof, sound-proof, layin wire base, packed double steel top, shop assembly.	Concealed post, flush single line joint.	For all uses where non-load-bearing fire wall is required.	54
SOUNDPROOF & SOUND ABSORBING ACOUSTICS (ns)	See various details of construction for answers of sound control in walls, ceiling, ventilation, door and conveyor openings, etc.			Quiet rooms, offices Test rooms	8, 9 20, 39

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